

**AGENDA
OURAY CITY COUNCIL**

Tuesday, January 21, 2025 - 2:00 PM

**Ouray Community Center
320 6th Ave
Ouray, CO 81427**

Ouray City Council Work Session

- Changes to this agenda can be found on the bulletin board at City Hall
- Electronic copies of the Council Packet are available on the City website at www.cityofouray.com. A hard copy of the Packet is also available at the Administrative Office for interested citizens.
- Notice is hereby given that a majority or quorum of the Planning Commission, Community Economic Development Committee, Beautification Committee, Tourism Advisory Committee, and/or Parks and Recreation Committee may be present at the above noticed City Council meeting to discuss any or all of the matters on the agenda below for Council consideration

1. CALL TO ORDER
2. DISCUSSION ITEM - Reconsider Direction Given to Staff Regarding Bulb Outs on 6th Avenue or 7th Avenue

FHWA REGION VIII OVERSIGHT? NO YES

NATIONAL HIGHWAY SYSTEM? NO YES

CITY OF OURAY

MAIN ST RMS (PED SAFETY IMPROVEMENTS)

HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED
CDOT PROJECT NO. C M006-001
 STATE HIGHWAY NO. 550
OURAY COUNTY
 CONSTRUCTION PROJECT CODE NO. 25227

TABULATION OF LENGTH & DESIGN DATA

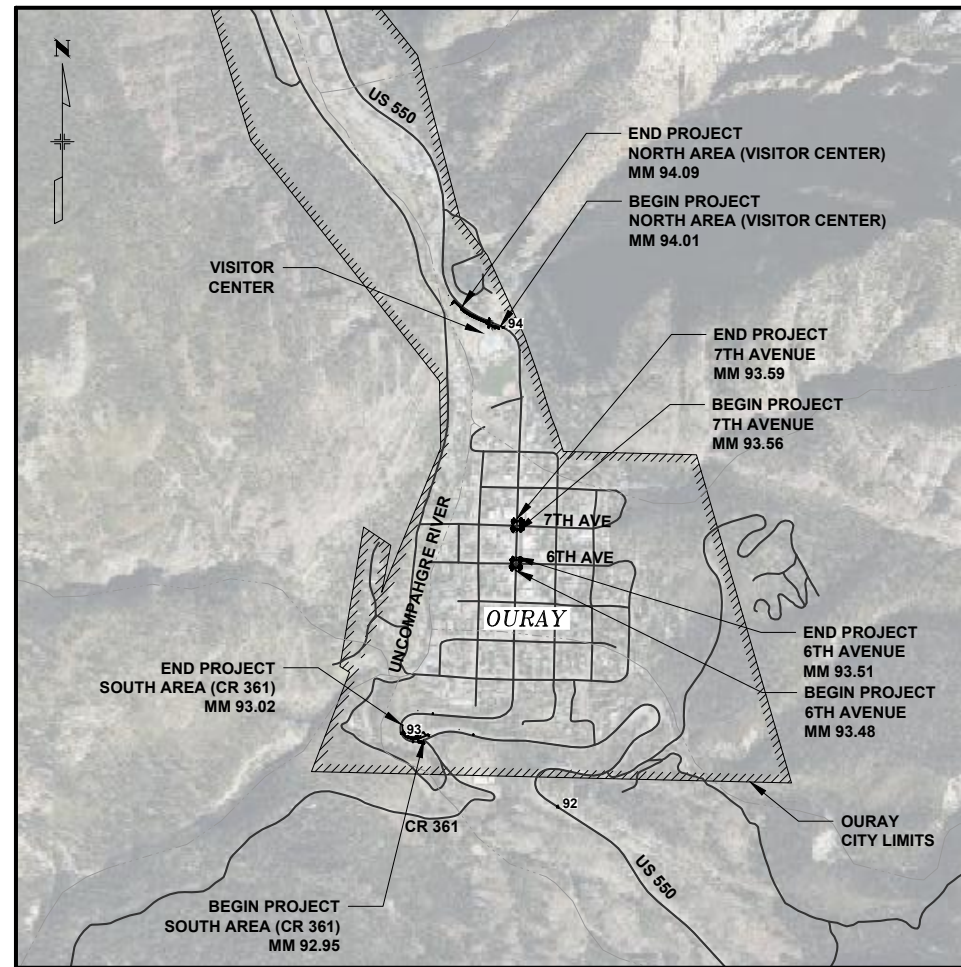
STATION	FEET		MAJOR STR.
	SH 550		
BEGIN SOUTH AREA (361 CROSSING) = MM = 92.95	364		
END SOUTH AREA (361 CROSSING) = MM = 93.02			
BEGIN 6TH AVENUE = MM = 93.48	138		
END 6TH AVENUE = MM = 93.51			
BEGIN 7TH AVENUE = MM = 93.56	133		
END 7TH AVENUE = MM = 93.59			
BEGIN NORTH AREA (VISITOR CENTER) = MM = 94.01	452		
END NORTH AREA (VISITOR CENTER) = MM = 94.09			
TOTAL	1087	0	0
SUMMARY OF PROJECT LENGTH	FEET		MILES
MAJOR STRUCTURE	0		0
PROJECT GROSS LENGTH	1087		0.21

DESIGN DATA	SH 550	
MAXIMUM RADIUS OF CURVE	EXISTING	
MAXIMUM GRADE	EXISTING	
MINIMUM S.S.D. HORIZONTAL	EXISTING	
MINIMUM S.S.D. VERTICAL	EXISTING	
MAXIMUM DESIGN SPEED	25 MPH	

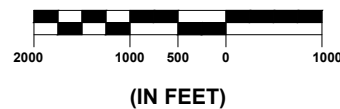
TRAFFIC DATA	SH 550	
2024 CURRENT TRAFFIC		
ADT (MAXIMUM - SEE NOTE 1)	6100	
DHV	946	
% TRUCKS	8.60%	
2044 DESIGN TRAFFIC		
ADT	6588	
DHV	1021	
% TRUCKS	8.60%	

CLEAR ZONE INFORMATION	SH 550	
CLEAR ZONE DISTANCE (TANGENT) (MAX - SEE NOTE 2)	14 FT.	
CLEAR ZONE DISTANCE (150' MIN. RADIUS)	21 FT.	
CONSTRUCTION CLEAR ZONE (MIN 18')	18 FT.	

NOTE 1: MAX ADT AT 7TH AVE. SOUTH ADT = 3300. NORTH ADT = 5200.
 NOTE 2: CLEAR ZONE AT SOUTH AND NORTH AREA = 12 FT.



PROJECT LOCATION MAP



SHEET NO.	INDEX OF SHEETS
1	COVER SHEET
2	STANDARD PLANS LIST
3-5	TYPICAL SECTIONS
6-8	SUMMARY OF APPROXIMATE QUANTITIES
9	SURVEY TABULATION SHEET
10-18	PROJECT CONTROL / LAND SURVEY DIAGRAM
19	GENERAL NOTES
20-27	STORMWATER MANAGEMENT PLAN
28-36	EROSION CONTROL PLAN
37-40	SITE & UTILITY PLAN
41-48	DETAILED GRADING PLAN
49-50	STORM P-PRO
51-54	SIGNING AND STRIPING PLAN
55-56	DETAILS
57-59	TRAFFIC CONTROL PLAN
60	TABULATION OF TRAFFIC
61	TABULATION OF REMOVALS
62	TABULATION OF SURFACING
63	TABULATION OF SIGNS & PAVEMENT MARKINGS
64	TABULATION OF DRAINAGE & ADJUSTMENTS
65	TABULATION OF EARTHWORK & STRUCTURES
	SUPPLEMENTAL PLANS
1-7	TURNING MOVEMENT EXHIBITS
1-2	EXISTING ROAD P-PROS

SHEET
1 OF 65

PST ENGINEERING, LLC
 2615 MAIN AVE. SUITE 209
 DURANGO, CO 81301
 970-403-5492

PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
COVER SHEET

REVISIONS:		SHEET
#	DATE	DESCRIPTION

DATE: 11/14/2024
 DRAWN BY: AM
 CHECKED BY: SP

F.O.R. SET



PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER
■ M-100-1	STANDARD SYMBOLS (3 SHEETS)	1-3
■ M-100-2	ACRONYMS AND ABBREVIATIONS (4 SHEETS)	4-7
□ M-203-1	APPROACH ROADS	8
□ M-203-2	DITCH TYPES	9
□ M-203-11	SUPERELEVATION CROWNED AND DIVIDED HIGHWAYS (3 SHEETS)	10-12
□ M-203-12	SUPERELEVATION STREETS (2 SHEETS)	13-14
□ M-206-1	EXCAVATION AND BACKFILL FOR STRUCTURES (2 SHEETS)	15-16
□ M-206-2	EXCAVATION AND BACKFILL FOR BRIDGES (2 SHEETS)	17-18
■ M-208-1	TEMPORARY EROSION CONTROL (11 SHEETS) (REVISED ON MAY 16, 2022)	19-29
□ M-210-1	MAILBOX SUPPORTS (2 SHEETS)	30-31
□ M-214-1	NURSERY STOCK DETAILS	32
□ M-216-1	SOIL RETENTION COVERING (2 SHEETS)	33-34
□ M-412-1	CONCRETE PAVEMENT JOINTS (9 SHEETS) (REVISED ON JANUARY 31, 2022)	35-39
□ M-412-2	CONCRETE PAVEMENT CRACK REPAIR (6 SHEETS) (REVISED ON SEPTEMBER 6, 2022)	
□ M-510-1	STRUCTURAL PLATE PIPE H-20 LOADING	40
□ M-601-1	SINGLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)	41-42
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■ M-603-2	REINFORCED CONCRETE PIPE	56
□ M-603-3	PRECAST CONCRETE BOX CULVERT (REVISED ON SEPTEMBER 10, 2020)	57
□ M-603-4	CORRUGATED POLYETHYLENE PIPE (AASHTO M294) AND CORRUGATED POLYPROPYLENE PIPE (AASHTO M330) (2 sheets) (REVISED ON MARCH 7, 2022)	58
□ M-603-5	POLYVINYL CHLORIDE (PVC) PIPE (AASHTO M304)	59
□ M-603-6	STEEL REINFORCED POLYETHYLENE RIBBED PIPE (AASHTO MP 20)	60
□ M-603-10	CONCRETE AND METAL END SECTIONS	61
□ M-603-12	TRAVERSABLE END SECTIONS AND SAFETY GRATES (3 SHEETS)	62-64
□ M-604-10	INLET, TYPE C	65
□ M-604-11	INLET, TYPE D	66
□ M-604-12	CURB INLET TYPE R (2 SHEETS)	67-68
□ M-604-13	CONCRETE INLET TYPE 13	69
□ M-604-20	MANHOLES (3 SHEETS)	70-72
□ M-604-25	VANE GRATE INLET (5 SHEETS) (REVISED ON FEBRUARY 3, 2023)	73-77
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□ M-606-13	GUARDRAIL TYPE 7 F-SHAPE BARRIER (4 SHEETS)	98-101
□ M-606-14	PRECAST TYPE 7 CONCRETE BARRIER (4 SHEETS) (REVISED ON FEBRUARY 9, 2023)	102-104
□ M-606-15	GUARDRAIL TYPE 9 SINGLE SLOPE BARRIER (11 SHEETS) (REVISED ON FEBRUARY 17, 2023)	105-115
□ M-607-1	WIRE FENCES AND GATES (3 SHEETS)	116-118
□ M-607-2	CHAIN LINK FENCE (3 SHEETS)	119-121
□ M-607-3	BARRIER FENCE	122
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□ M-607-10	PICKET SNOW FENCE	128
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■ M-609-1	CURBS, GUTTERS, AND SIDEWALKS (4 SHEETS)	148-151
□ M-611-1	CATTLE GUARD (2 SHEETS)	152-153
□ M-611-2	DEER GUARD (2 SHEETS)	154-155
■ M-614-1	RUMBLE STRIPS (3 SHEETS)	156-158
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□ S-612-1	DELINEATOR INSTALLATIONS (8 SHEETS) (REVISED ON APRIL 30, 2024)	171-178
□ S-613-1	ROADWAY LIGHTING (6 SHEETS) (REVISED ON SEPTEMBER 30, 2020)	179-186
□ S-613-2	ALTERNATIVE ROADWAY LIGHTING (4 SHEETS) (NEW, ISSUED ON SEPTEMBER 30, 2020)	
□ S-613-3	PULL BOX DETAIL (2 SHEETS) (NEW, ISSUED ON APRIL 4, 2024)	
□ S-613-4	TRAFFIC SIGNAL ONE-LINE DIAGRAMS (6 SHEETS) (NEW, ISSUED ON JUNE 15, 2023)	
■ S-614-1	GROUND SIGN PLACEMENT (2 SHEETS) (REVISED ON MARCH 1, 2024)	187-188
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■ S-614-3	CLASS II SIGNS (REVISED ON MARCH 1, 2024)	190
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■ S-614-8	TUBULAR STEEL SIGN SUPPORT DETAILS (7 SHEETS) (REVISED ON MARCH 1, 2024)	198-204
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■ S-614-14	FLASHING BEACON AND SIGN INSTALLATIONS (4 SHEETS)	211-214
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□ S-614-20	TYPICAL POLE MOUNT SIGN INSTALLATIONS (REVISED ON MARCH 1, 2024)	215
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□ S-614-50	STATIC SIGN MONOTUBE STRUCTURES (12 SHEETS)	255-266
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COLORADO
 DEPARTMENT OF TRANSPORTATION
M&S STANDARDS PLANS LIST
 July 31, 2019
 REVISED ON MAY 16, 2024

ALL OF THE M&S STANDARD PLANS, AS SUPPLEMENTED AND REVISED, APPLY TO THIS PROJECT WHEN USED BY DESIGNATED PAY ITEM OR SUBSIDIARY ITEM.

THE M&S STANDARD PLANS USED TO DESIGN THIS PROJECT ARE INDICATED BY A MARKED BOX ■ AND WILL BE ATTACHED TO THE PLANS. ALL OTHER M&S STANDARD PLANS ARE STILL ELIGIBLE FOR USE IN CONSTRUCTION IF APPROVED BY AN APPROPRIATE CDOT ENGINEER.

Computer File Information	
Creation Date: 07/31/19	
Designer Initials: JBK	
Last Modification Date: 05/16/24	
Detailer Initials: LTA	
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	

Sheet Revisions	
Date:	Comments

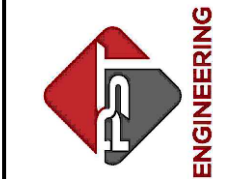
Colorado Department of Transportation
 2829 West Howard Place
 CDOT HQ, 3rd Floor
 Denver, CO 80204
 Phone: 303-757-9021 FAX: 303-757-9868
 Construction Engineering Services JBK

STANDARD PLANS LIST
 Issued by the Project Development Branch: July 31, 2019

STANDARD PLAN NO.
STANDARDS PLANS LIST
 Standard Sheet No. 1 of 1
 Project Sheet Number:

SHEET
2 OF **65**

PST ENGINEERING, LLC
 2615 MAIN AVE. SUITE 209
 DURANGO, CO 81301
 970-403-5492



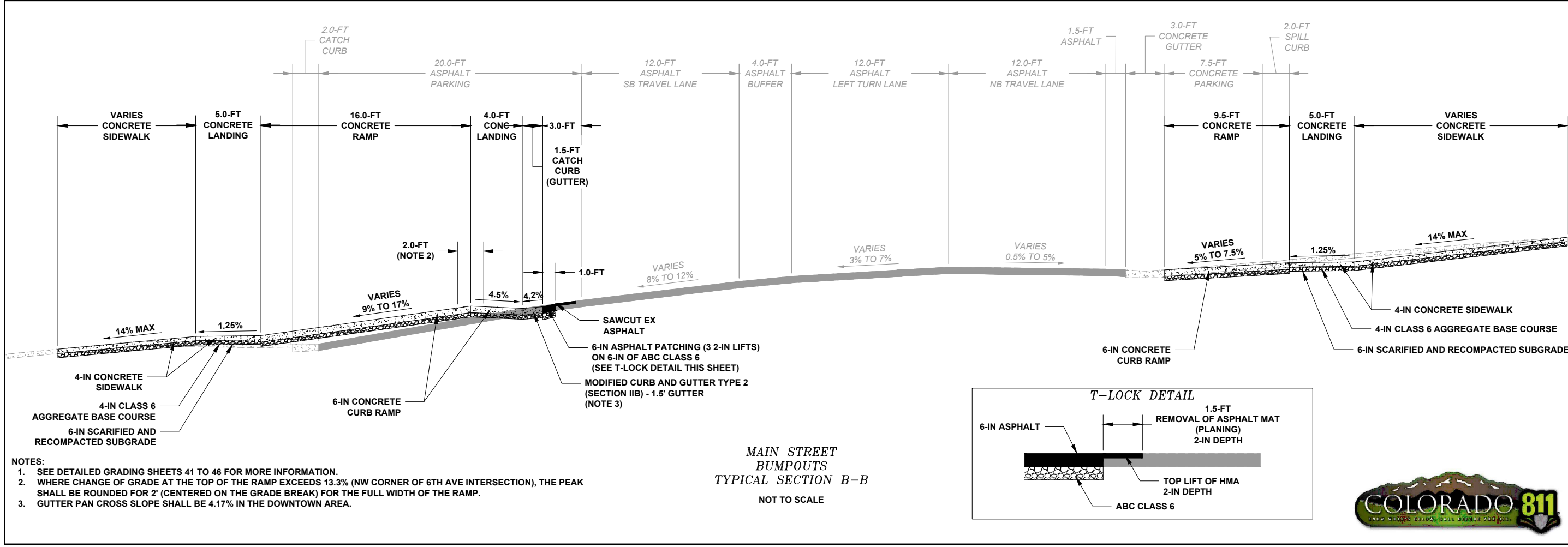
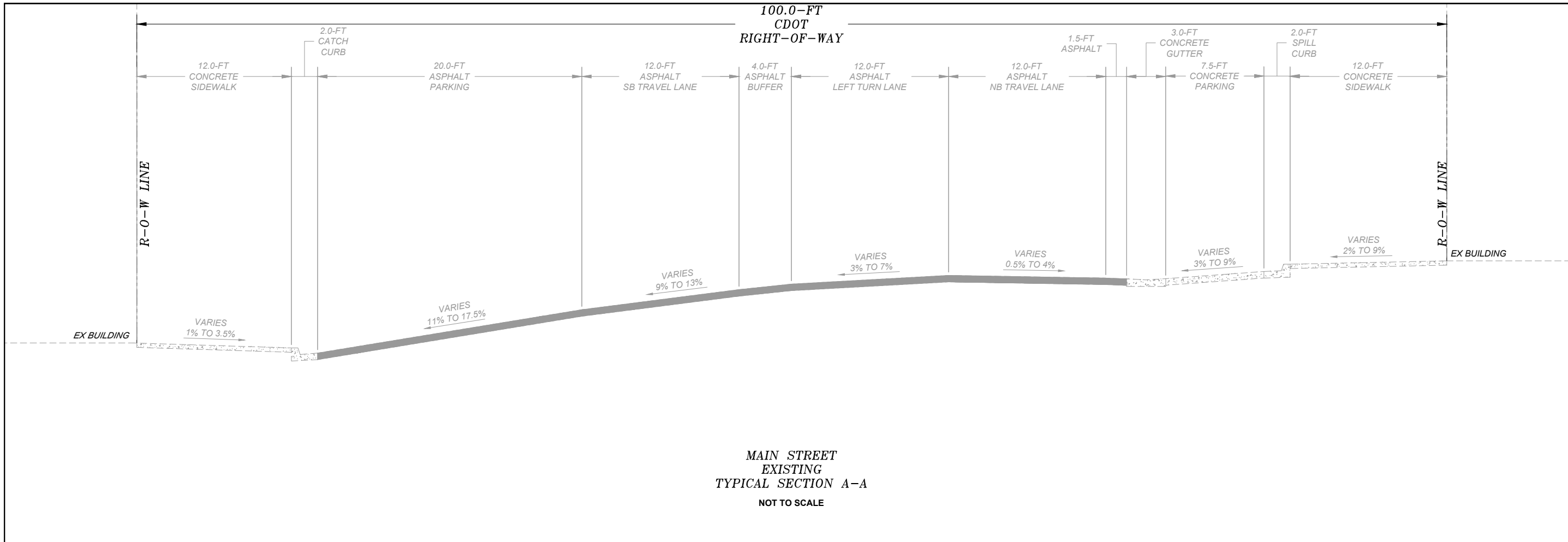
PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 2527
STANDARD PLANS LIST

REVISIONS:		SHEET
DATE	DESCRIPTION	

DATE: 11/14/2024
 DRAWN BY: AM
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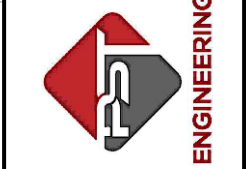
F.O.R. SET





- NOTES:
- SEE DETAILED GRADING SHEETS 41 TO 46 FOR MORE INFORMATION.
 - WHERE CHANGE OF GRADE AT THE TOP OF THE RAMP EXCEEDS 13.3% (NW CORNER OF 6TH AVE INTERSECTION), THE PEAK SHALL BE ROUNDED FOR 2' (CENTERED ON THE GRADE BREAK) FOR THE FULL WIDTH OF THE RAMP.
 - GUTTER PAN CROSS SLOPE SHALL BE 4.17% IN THE DOWNTOWN AREA.

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 970-403-5492



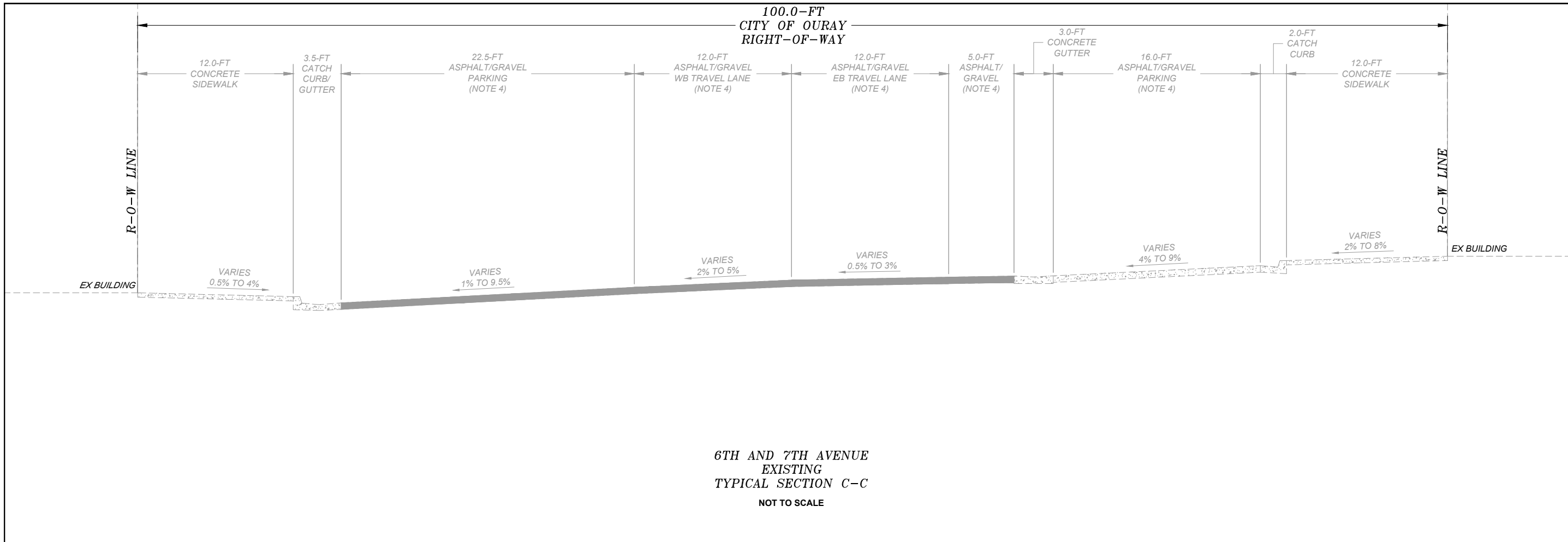
PROJECT NAME: OURAY
 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 TYPICALS 1
 MAIN STREET

REVISIONS:	DATE	DESCRIPTION	SHEET
#			

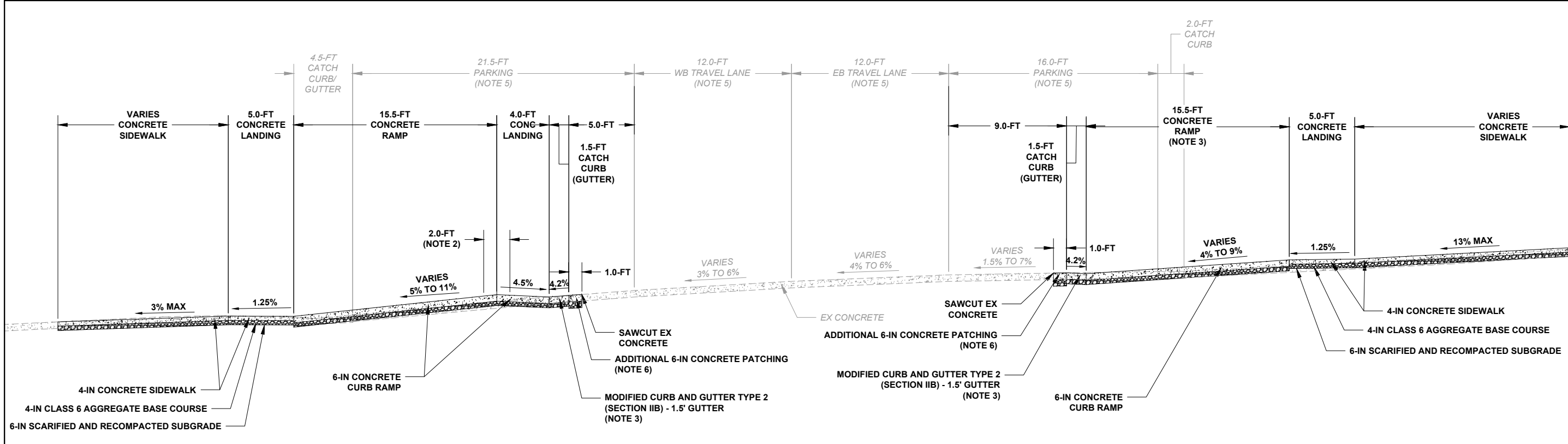
DATE: 11/14/2024
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 CHECKED BY: SP

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6TH AND 7TH AVENUE
EXISTING
TYPICAL SECTION C-C
NOT TO SCALE



6TH AND 7TH AVENUE
BUMPOUTS
TYPICAL SECTION D-D
NOT TO SCALE

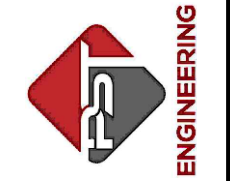
- NOTES:
- SEE DETAILED GRADING SHEETS 41 TO 46 FOR MORE INFORMATION.
 - WHERE CHANGE OF GRADE AT THE TOP OF THE RAMP EXCEEDS 13.3% (NW CORNER OF 6TH AVE INTERSECTION), THE PEAK SHALL BE ROUNDED FOR 2' (CENTERED ON THE GRADE BREAK) FOR THE FULL WIDTH OF THE RAMP.
 - GUTTER PAN CROSS SLOPE SHALL BE 4.17% IN THE DOWNTOWN AREA.
 - EXISTING 6TH AVENUE HAS A GRAVEL SURFACE. EXISTING 7TH HAS AN ASPHALT SURFACE.
 - THE CROSSWALKS FOR 6TH AVENUE AND 7TH AVENUE ARE LOCATED ON THE EXISTING CONCRETE PAVEMENT.
 - THE LENGTH OF THE RAMP AT THE SW CORNER OF THE 6TH AVENUE INTERSECTION IS 16.5' TO AVOID THE EXISTING HYDRANT.

- NOTES (CONT.):
- SEE DETAILED GRADING SHEETS 41 TO 46 FOR LOCATION OF CONCRETE SAWCUT LINE. AREA BETWEEN SAWCUT AND CURB AND GUTTER SHALL BE POURED MONOLITHICALLY WITH THE CURB AND GUTTER AND PAID UNDER ITEM 609-21023 CURB AND GUTTER TYPE 2 (SECTION II-B) (SPECIAL). DOWELS SHALL BE DRILLED AND GROUTED INTO THE EXISTING CONCRETE AT 1' C/C SPACING. COST FOR DOWELING INTO EXISTING CONCRETE WILL BE INCIDENTAL TO THE 609-21023 ITEM.



SHEET
4 OF 65

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DURANGO, CO 81301
970-403-5492

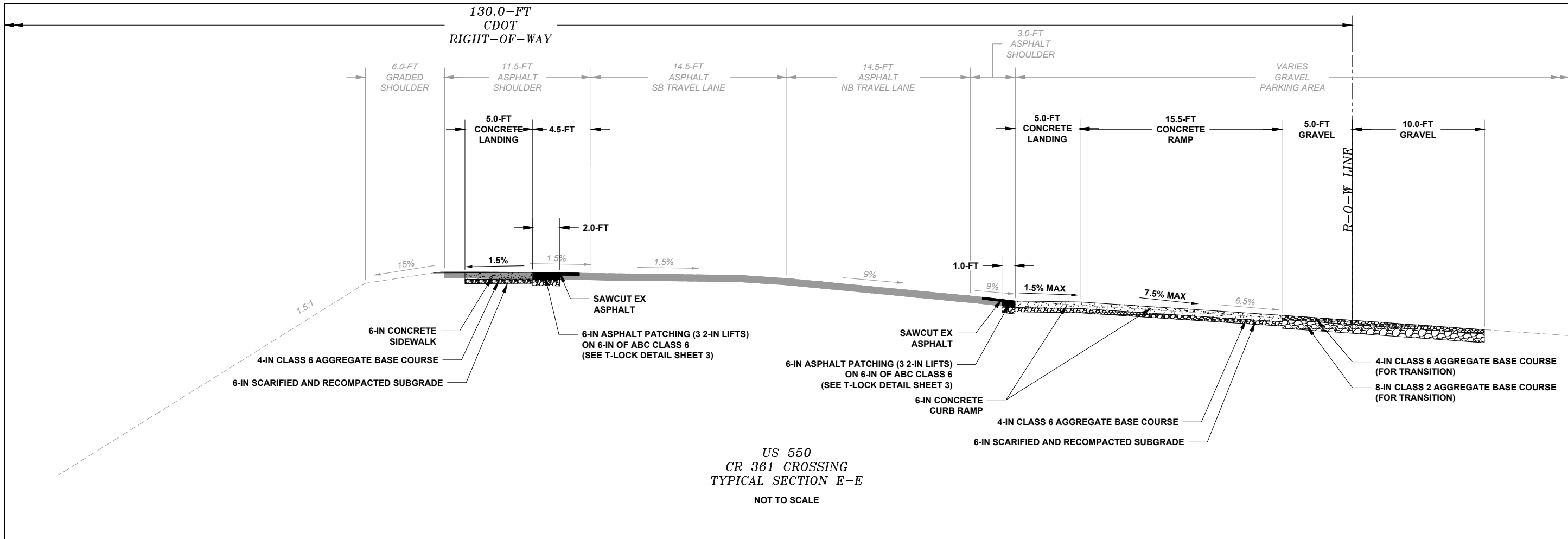


PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
TYPICALS 2
6TH AND 7TH AVENUE

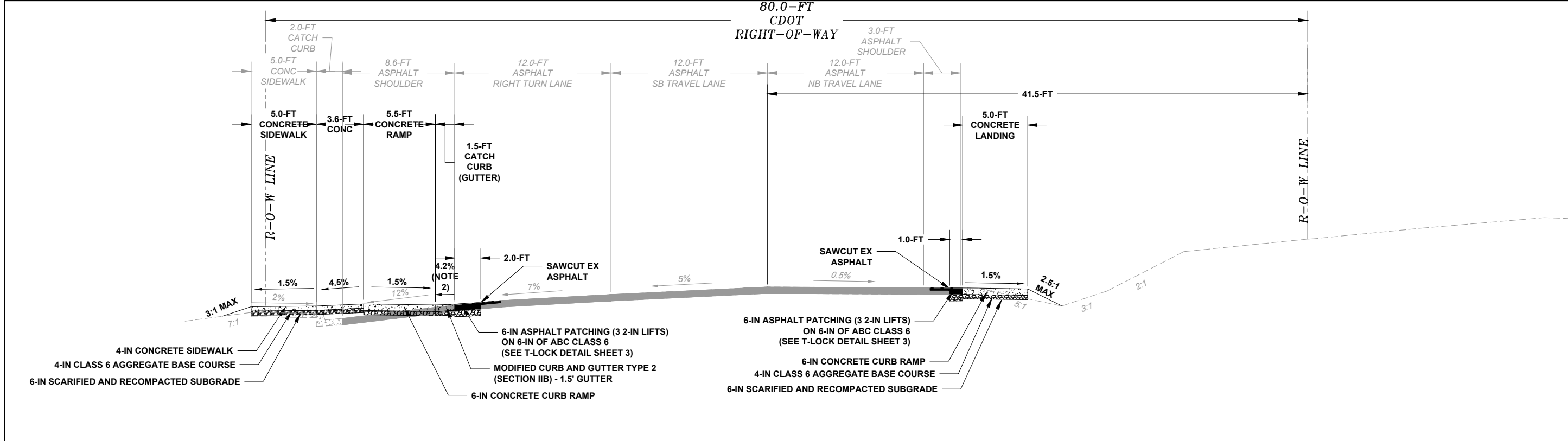
REVISIONS:	DATE	DESCRIPTION	SHEET
#			

DATE: 11/14/2024
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CHECKED BY: SP

F.O.R. SET



US 550
CR 361 CROSSING
TYPICAL SECTION E-E
NOT TO SCALE



US 550
VISITOR CENTER CROSSING
TYPICAL SECTION F-F
NOT TO SCALE

- NOTES:
- SEE DETAILED GRADING SHEETS 41 TO 46 FOR MORE INFORMATION.
 - GUTTER PAN CROSS SLOPE SHALL BE 4.17% AT RAMPS. GUTTER PAN CROSS SLOPE SHALL BE 8.33% OUTSIDE OF RAMP AREAS PER CDOT STANDARD DRAWING M-609-1.

SHEET
5 OF 65

PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492



PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
TYPICALS 3
CR 361 AND VISITOR CENTER

REVISIONS:		SHEET
#	DATE	DESCRIPTION

DATE: 11/14/2024
DRAWN BY: AM
CHECKED BY: SP

F.O.R. SET



INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY												PROJECT TOTALS	
BOOK	PAGE	SHEET				PLAN	AS CONST.	PLAN	AS CONST.										
			202-00036	REMOVAL OF PIPE (SPECIAL)	LF	16												16	
			202-00200	REMOVAL OF SIDEWALK	SY	475.4												475.4	
			202-00203	REMOVAL OF CURB AND GUTTER	LF	554												554	
			202-00210	REMOVAL OF CONCRETE PAVEMENT	SY	231.7												231.7	
			202-00220	REMOVAL OF ASPHALT MAT	SY	544.5												544.5	
			202-00250	REMOVAL OF PAVEMENT MARKING	SF	995												995	
			202-04002	CLEAN CULVERT	EACH	3												3	
			203-00010	UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	447												447	
			203-01100	PROOF ROLLING	HOUR	12												12	
			203-01597	POTHOLING	HOUR	24												24	
			206-00065	STRUCTURE BACKFILL (FLOW-FILL)	CY	6												6	
			207-00606	TOPSOIL (IMPORTED)	CY	63.6												63.6	
			207-00704	SUBGRADE SOIL PREPARATION	SY	578.3												578.3	
			208-00007	EROSION LOG TYPE 2 (8 INCH)	LF	828												828	
			208-00008	EROSION LOG TYPE 2 (12 INCH)	LF	238												238	
			208-00020	SILT FENCE	LF	714												714	
			208-00035	AGGREGATE BAG	LF	335												335	
			208-00046	PRE-FABRICATED CONCRETE WASHOUT STRUCTURE (TYPE 1)	EACH	1												1	
			208-00054	STORM DRAIN INLET PROTECTION (TYPE II)	EACH	6												6	
			208-00056	STORM DRAIN INLET PROTECTION (TYPE III)	EACH	6												6	
			208-00075	PRE-FABRICATED VEHICLE TRACKING PAD	EACH	1												1	
			208-00103	REMOVAL AND DISPOSAL OF SEDIMENT (LABOR)	HOUR	20												20	
			208-00105	REMOVAL AND DISPOSAL OF SEDIMENT (EQUIPMENT)	HOUR	20												20	
			208-00106	SWEEPING (SEDIMENT REMOVAL)	HOUR	30												30	
			208-00207	EROSION CONTROL MANAGEMENT	DAY	20												20	
			208-00301	TEMPORARY DIVERSION	LF	262												262	
			210-00810	RESET GROUND SIGN	EACH	14												14	
			210-04020	MODIFY INLET	EACH	4												4	
			210-04050	ADJUST VALVE BOX	EACH	7												7	
			210-04051	ADJUST VALVE BOX (SPECIAL)	EACH	3												3	

SHEET
6 OF 65

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DURANGO, CO 81301
970-403-5492



ENGINEERING

**PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
SUMMARY OF APPROXIMATE
QUANTITIES 1**

REVISIONS:		DESCRIPTION	DATE	SHEET
#				

DATE: 11/14/2024
DRAWN BY: AM
CHECKED BY: SP


F.O.R. SET



INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY												PROJECT TOTALS	
BOOK	PAGE	SHEET				PLAN	AS CONST.	PLAN	AS CONST.										
			212-00700	ORGANIC FERTILIZER	LB	96												96	
			212-00701	COMPOST (MECHANICALLY APPLIED)	CY	16												16	
			212-00704	MYCORRHIZAE	LB	7												7	
			212-00708	SEEDING (NATIVE) BROADCAST	ACRE	0.12												0.12	
			213-00003	MULCHING (WEED FREE)	ACRE	0.11												0.11	
			216-00201	SOIL RETENTION BLANKET (STRAW-COCONUT) (BIODEGRADABLE CLASS 1)	SY	55.7												55.7	
			304-02000	AGGREGATE BASE COURSE (CLASS 2)	TON	603												603	
			304-06000	AGGREGATE BASE COURSE (CLASS 6)	TON	886.7												886.7	
			403-00720	HOT MIX ASPHALT (PATCHING) (ASPHALT)	TON	213.3												213.3	
			506-00206	RIPRAP (6 INCH)	CY	7.1												7.1	
			603-01180	18 INCH REINFORCED CONCRETE PIPE	LF	57												57	
			603-50012	12 INCH PLASTIC PIPE	LF	30												30	
			604-19005	INLET SPECIAL (5 FOOT)	EACH	3												3	
			607-11525	FENCE (PLASTIC)	LF	52												52	
			608-00000	CONCRETE SIDEWALK	SY	553.3												553.3	
			608-00006	CONCRETE SIDEWALK (6 INCH)	SY	24.9												24.9	
			608-00010	CONCRETE CURB RAMP	SY	269.5												269.5	
			609-20010	CURB TYPE 2 (SECTION B)	LF	378												378	
			609-21023	CURB AND GUTTER TYPE 2 (SECTION II-B) (SPECIAL)	LF	1096												1096	
			610-00026	MEDIAN COVER MATERIAL (6 INCH PATTERNED CONCRETE)	SF	59												59	
			610-00035	MEDIAN COVER MATERIAL (CONCRETE)(SPECIAL)	SF	4048												4048	
			614-00011	SIGN PANEL (CLASS I)	SF	31												31	
			614-00012	SIGN PANEL (CLASS II)	SF	126												126	
			614-01573	STEEL SIGN SUPPORT (2-1/2 INCH ROUND NP-40)(POST & SLIPBASE)	EACH	6												6	
			614-80003	RECTANGULAR RAPID FLASHING BEACON	EACH	4												4	
			614-80391	RUMBLE STRIP (GRINDING)(ASPHALT)	LF	25.6												25.6	

SHEET
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PST ENGINEERING, LLC
 2615 MAIN AVE. SUITE 209
 DURANGO, CO 81301
 970-403-5492



**PROJECT NAME: OURAY
 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 SUMMARY OF APPROXIMATE
 QUANTITIES 2**

REVISIONS:		DATE	DESCRIPTION	SHEET
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TO ESTABLISH GEOMETRIC CONTROL FOR THE CONSTRUCTION OF THIS PROJECT, THE DEPARTMENT HAS PROVIDED THE FOLLOWING INFORMATION:

- Format *
 3D Design Modeling Electronic Files _____
 Horizontal Control _____
 Vertical Control _____
 Roadway Alignment _____
 Original Terrain Data _____
 Other: _____

PLAN SHEET
DIGITAL R-O-W LINework

* Specify the information format, i.e., plan sheet, computer disk, computer printout, or other. The information marked is either contained on the plans or is available from the Engineer.

TYPE OF PROJECT

- Landscaping
 Signalization
 Safety Improvement
 Asphalt Overlay
 Concrete Overlay
 Minor Widening
 Major Reconstruction
 New Roadway Construction
 Bridge Replacement
 Bridge Widening
 New Bridge
 Other: **ADA IMPROVEMENTS**

SURVEY WORK TO BE PERFORMED BY OTHERS: _____

WORK PERFORMED BY THE CONTRACTOR'S SURVEYOR UNDER SECTION 625:

- A complete passing Base Line report (completed within 6 months prior to the start of the project)
 An instrument calibration Certification (completed within 6 months prior to the start of the project)
 Establish and Maintain Project Centerline or Engineer Approved Offset Line(s)
 Verification and Maintenance of Horizontal and Vertical Control
 Verify or Determine existing grades and alignments
 Verify or Determine existing topography
 Clearing and Grubbing Limits (Section 201)
 Removal Limits (Section 202)
 Reset Items (Section 210)

Excavation and Embankment (Section 203)

- Excavation
 Unclassified
 Stripping
 Muck
 Rock
 Borrow
 Other: _____
 Potholing

- Embankment
 Site Grading
 Erosion Control (Perm)
 Other: _____
 As Staked Earthwork Quantities (See General Notes)

Landscaping

- Top Soil (Section 207)
 Seeding (Section 212)
 Mulching (Section 213)
 Planting (Section 214)
 Herbicide (Section 217)
 Other: _____

Erosion Control (Section 208)

- Seeding (Temp)
 Silt Fence
 Erosion Bales
 Erosion Logs
 Riprap (Temp)
 Other: _____

Roadway Bases

- Untreated Subgrade
 Treated Subgrade
 Aggregate Base Course (Section 304)
 Reconditioning
 PMBB - Plant Mix Bituminous Base
 Other: _____

Excavation	Slope Staking (Y/N)	Grid (Y/N)	Grade (Y/N)	Special Interval
	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Embankment	Slope Staking (Y/N)	Grid (Y/N)	Grade (Y/N)	Special Interval
	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Roadway Bases	Grid (Y/N)	Grade (Y/N)	Special Interval	Special Offset
	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

- Pavements
 HMA - Hot Mix Asphalt (Section 403)
 Concrete (Section 412)
 Heating & Scarifying Treatment
 Prime Coat, Tack Coat & Rejuvenating Agent (Section 407)
 Seal Coat or Chip Seal (Section 409)
 Other: _____

Pavements	Grid (Y/N)	Special Interval	Special Offset
	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

- Roadway Elements
 Curb and Gutter (Section 609)
 Drop inlets - alignment and grades (Section 604)
 Retaining Walls
 Guard Rail (Section 606)
 Sidewalk (Section 608)
 Overlay Stationing
 Other: _____

Curb & Gutter	Tangent Interval	Curve Interval	Special Offset
	-	-	-

- Riprap (Perm) (Section 506)
 Slope and Ditch Paving (Section 507)

- Minor Structures
 Structure Excavation limits (Section 206)
 Culverts (Section 603)
 Culverts w/ Headwalls and Wingwalls (Section 601)
 Concrete Box Culverts w/ Headwalls and Wingwalls
 Pipes (Section 603)
 Sanitary Sewer
 Storm Sewer
 Water
 Irrigation
 Miscellaneous
 Manholes (Section 604)
 Inlets (Section 604)
 Permanent Water Quality BMP (Section 208)
 Other: _____

- Major Structures - Overhead Signs (Section 614), Concrete Box Culverts, Bridges - and all other structures assigned a structure number

- Structure Excavation limits (Section 206)
 Concrete Box Culverts (Section 603) w/ Headwalls and Wingwalls (Section 601)
 Piling locations and cut off elevations (Section 502)
 Caisson locations and elevations (Section 503)
 Footing locations, alignment, and elevations
 Abutment/Pier locations, alignment, and elevations
 Wingwall skew angles/offsets
 Structural concrete form locations
 Substructure As-constructed survey required for Bridges (Subsection 601 .12) and Overhead signs (S-614-50)
 Bridge expansion joint(s) alignment and grade (longitudinal and transverse)
 Deck grades at Girder 10th or "n" th point locations and elevations
 Slope and Ditch Paving (Section 507)
 Other: _____

- Fencing (Section 607)
 Temporary
 Permanent
 Sound Barrier
 Other: _____

- Delineators (Section 612)
 Temporary
 Permanent

- Lighting (Section 613) and Traffic Control Devices (Permanent) (Section 614)
 Signal pole locations and elevations
 Light pole locations and elevations
 Sign locations
 Field verify sign post locations, elevations, and lengths before fabrication.
 Other: _____

- Pavement Marking (Section 627)
 Striping (Temp)
 Striping (Perm)
 Symbols
 Other: _____
 Temporary Lighting and Construction Traffic Control Devices (Section 630)
 Signal pole locations and elevations (Temp)
 Light pole locations and elevations (Temp)
 Sign Locations (Temp)
 Other: _____
 All Easements (Temp Staking by P.L.S. Only)
 Right of Way (Temp Staking by P.L.S. Only)

WORK PERFORMED BY THE CONTRACTOR'S SURVEYOR UNDER SECTION 629:

- Monumentation (Section 629)
 Control
 Right of Way
 Land corners, Aliquot corners
 Easements
 Reference the specified existing monuments: ** _____
 Replace the specified existing monuments: ** _____
 Locate monuments. It is estimated _____ hours are required.

NOTE: All 629 items shall include adequate research, calculations, and evaluations of evidence for monuments to be set.

** A Tabulation of Survey Monuments may be provided on the plans.

GENERAL NOTES:

- Unless indicated otherwise on this Survey Tabulation Sheet, all survey work and staking intervals shall be done in accordance with the latest edition of the CDOT Survey Manual.
- Adequate information for establishing lines, grades, and locations for all work items have been specified on the plans. Any additional information required to stake the item or element shall be generated by the Contractor's surveyor.
- The Contractor's surveyor shall provide an estimate of the man-hours necessary to complete the work items indicated on this sheet. A copy of this sheet, with the estimated man-hours written on the blank line to the left of the specified items, shall be submitted with the Survey Schedule to the Engineer _____ days prior to the Presurvey Conference - Construction Survey.
- Stakes and Monuments which are damaged or destroyed by the progress of construction shall be replaced by the Contractor at no additional cost to the Department.
- The Contractor shall furnish an As Staked (or 3D Design Modeling Electronic Files) Earthwork Quantity report to the Engineer prior to completion of twenty percent (20%) of the planned earthwork in any phase as per the CDOT Survey Manual. A printed copy of the As Staked (or 3D Design Modeling Electronic Files) Earthwork data report and a computer disk with that information on it, in the specified format shall be submitted to the Engineer. The Contractor shall field verify original ground cross sections at a maximum 500 feet intervals.
- Prior to beginning work on any subsequent operation, such as placing base course or paving, the Contractor shall certify in writing to the Engineer that the final grade is within specified tolerance.
- The Contractor's surveyor shall perform all field surveying and calculations necessary to tie plan grades into field grades.
- The Contractor shall coordinate construction staking on the project with any utility work.
- Fieldbooks shall contain daily records of points set and or measurements observed. The information recorded shall contain: date, crew members' names, point no., description, staking information, and sketches. If the survey information is collected electronically, information recorded shall be provided to the Project Engineer in a hard copy format that is intuitive, clear and related to the supplemental information recorded in the field books. All linear surveys, such as slope stakes and blue tops, shall have the station and offset information related to the measured information. Non-linear surveys such as structures staking shall have sketches relating electronic information, such as point numbers, to the sketch.
- The Contractor's surveyor shall submit the following fieldbooks to the Engineer:
 - Horizontal Control (Primary & Secondary)
 - Vertical Control (i.e. Benchmarks)
 - Property Pin Ties
 - Horizontal Alignment
 - Grading
 - Slope Staking
 - Minor Structures
 - Major Structures
 - One fieldbook for each work category shown on this sheet
 - Other Fieldbook(s): _____
- The Contractor's surveyor shall submit the following (prior to surveying on the project) to the Engineer:
 - All required Instrument Calibrations

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PROJECT NAME: OURAY
 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 SURVEY TABULATION SHEET

REVISONS:	DESCRIPTION	DATE	SHEET
			#

Print Date: \$DATE\$
 File Name: \$FILES\$
 Horiz. Scale: \$SCALES\$ SHORT\$ Vert. Scale: As Noted
 Unit Information Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation
 Street Address
 XXXXXXXXXXXXXXXX
 City, State Zip Code
 Phone: XXX-XXX-XXXX FAX: XXX-XXX-XXXX
 Region Number or Staff Initials

As Constructed	SURVEY TABULATION SHEET		Project No./Code
No Revisions:	Designer: XXXXXXXX Structure X-XX-XX		Project Number
Revised:	Detailer: XXXXXXXX Numbers X-XX-XX	Code	
Void:	Sheet Subset: XXXXXXXX Subset Sheets: XXX of XXX	Sheet Number XXX	

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GENERAL NOTES

- 1. ALL ITEMS LISTED IN THESE NOTES ARE INCIDENTAL TO THE PROJECT AND WILL NOT BE PAID FOR SEPARATELY UNLESS THERE IS A PAY ITEM IN THE BID TAB OR IF OTHERWISE APPROVED BY THE CITY PROJECT MANAGER.
2. THE CONTRACTOR SHALL HAVE IN HIS POSSESSION AT ALL TIMES ONE (1) SIGNED COPY OF PLANS AND SPECIFICATIONS WHICH HAVE BEEN APPROVED BY THE APPROPRIATE AGENCIES.
3. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS (SEE LIST BELOW). THE CONTRACTOR MUST HAVE A COPY OF THESE DOCUMENTS ON SITE AT ALL TIMES. WHEN REQUIREMENTS IN THE DRAWINGS AND THE APPLICABLE STANDARDS CONFLICT THE MORE STRINGENT REQUIREMENT SHALL APPLY.
4. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS PRIOR TO THE COMMENCEMENT OF ANY WORK ON THE PROJECT AND/OR WORK IN THE PUBLIC RIGHT-OF-WAY OR PUBLIC EASEMENTS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER OF ANY PROBLEMS IN CONFORMING TO THE APPROVED PLANS FOR ANY ELEMENT OF THE PROPOSED IMPROVEMENTS PRIOR TO ITS CONSTRUCTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING PROJECT "RECORD DRAWINGS" PER THE APPLICABLE STANDARDS (SEE LIST BELOW). THE CONTRACTOR SHALL ALSO PROVIDE ONE (1) COPY EACH TO THE OWNER, ENGINEER, AND ANY OTHER APPROPRIATE AGENCIES PRIOR TO FINAL ACCEPTANCE OF THE WORK.
7. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
8. SURVEY INFORMATION WAS PROVIDED BY SAN JUAN SURVEYING, INC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL INFORMATION/LOCATIONS IDENTIFIED ON THESE PLANS PRIOR TO CONSTRUCTION.
9. CONTRACTOR TO KEEP SITE SAFE, NEAT AND TIDY AT ALL TIMES, MINIMIZING SPACE UTILIZED BY EQUIPMENT AND MATERIALS TO LIMIT IMPACT TO RESIDENTS AND PUBLIC WHILE KEEPING THE MATERIALS PROTECTED PER MANUFACTURER'S RECOMMENDATIONS.
10. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ROADWAY AND SIDEWALK FEATURES FROM ALL CONSTRUCTION ACTIVITIES TO MAINTAIN SAFE WALKING, CYCLING AND DRIVING SURFACES. AREAS NOT SUITABLE FOR PUBLIC ACCESS SHALL BE CORDONED OFF USING APPROVED TRAFFIC CONTROL MEASURES UNTIL THEY ARE REMEDIATED. STREET FEATURES OUTSIDE LIMITS OF DEMOLITION AND RESTORATION PROJECT SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS AT THE CONTRACTOR'S EXPENSE.

INCIDENTAL DAMAGE

- 11. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT ALL PUBLIC AND PRIVATE IMPROVEMENTS (IN PLACE) DURING CONSTRUCTION OPERATIONS (E.G. RESIDENTIAL SERVICES SIGNS, WATER LINES, SEWER DRAINS, FENCES, IRRIGATION). DAMAGE TO SAID IMPROVEMENTS AS A RESULT OF CONSTRUCTION OPERATIONS WILL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER.
12. THE CONTRACTOR SHALL REPAIR OR REPLACE EXISTING LANDSCAPING, IN KIND, THAT WAS REMOVED OR DAMAGED DURING CONSTRUCTION.
13. THE CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION DESIGNATED AS "PROTECT SURVEY MONUMENT" ON THE PLAN SHEETS. ANY MONUMENTS WITH THAT DESIGNATION THAT ARE DISTURBED SHALL BE RESET AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER IF SURVEY MONUMENTS ARE ENCOUNTERED THAT ARE NOT SHOWN ON THE PLAN SHEETS. SAID MONUMENTS SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES UNTIL THE ENGINEER IS NOTIFIED.
14. ANY CONSTRUCTION DEBRIS OR MUD TRACKING IN THE PUBLIC RIGHT-OF-WAY SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
15. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL WALK THE PROJECT SITE AND RECORD PHOTO OR VIDEO DOCUMENTATION OF ANY PRE-EXISTING DAMAGE.
16. DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY FIX ANY DAMAGE OR EXCESSIVE PAVEMENT FAILURES OUTSIDE OF THE PROJECT LIMITS CAUSED BY PROJECT CONSTRUCTION AND SHALL PROPERLY BARRICADE THE AFFECTED AREA UNTIL NECESSARY REPAIRS ARE COMPLETE. FAILURE BY THE CONTRACTOR TO CORRECT ANY OF THE ABOVE CONDITIONS WITHIN PUBLIC RIGHT-OF-WAY WITHIN 48 HOURS OF WRITTEN NOTICE BY THE INSPECTING AGENCY SHALL CAUSE THE INSPECTING AGENCY TO ISSUE A STOP WORK ORDER. AT THIS TIME, THE AGENCY MAY PERFORM THE CORRECTIVE WORK AND MAKE A CLAIM AGAINST THE ESCROW BOND OR LETTER OF CREDIT FOR ANY COST INCURRED BY THE AGENCY.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING ASPHALT FROM CONSTRUCTION EQUIPMENT. DAMAGED ASPHALT SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE

INSPECTIONS AND MATERIAL TESTING

- 18. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE APPROVING AGENCIES, AGENCY INSPECTORS, AND OWNER'S REPRESENTATIVE REGARDING MATERIAL TESTING AND INSPECTION PROCEDURES. ANY REQUIRED RE-TESTING, RE-WORK, OR DELAYS RESULTING FROM THE FAILURE OF THE CONTRACTOR TO FOLLOW THE APPROPRIATE PROCEDURES SHALL BE AT THE CONTRACTOR'S EXPENSE.
19. THE DUTY OF THE AGENCY REPRESENTATIVES, OWNER, OR OWNER'S REPRESENTATIVES TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.
20. THE CITY OF OURAY WILL PROVIDE QUALITY ASSURANCE MATERIAL TESTING. CONTRACTOR IS RESPONSIBLE FOR QUALITY CONTROL

TRENCHING AND BACKFILL

- 21. TRENCH BACKFILL UNDER CITY STREETS & SIDEWALKS SHALL CONSIST OF STRUCTURE BACKFILL (FLOWFILL) (PER PROJECT SPECIFICATIONS). NO TRAFFIC OR ADDITIONAL LIFTS OF FLOW-FILL SHALL BE PLACED UNTIL IT HAS CURED SUFFICIENTLY TO NOT INDENT UNDER WHEEL LOADS.

ASPHALT CONSTRUCTION

- 22. HOT MIX ASPHALT (HMA) SHALL BE CDOT GRADING SX (75). HMA SHALL MEET THE REQUIREMENTS OF CDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 403.

TRAFFIC CONTROL

- 23. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY IN ACCORDANCE WITH THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. CONTRACTOR TO PROVIDE APPROPRIATE BARRICADES FOR PREVENTION OF PEDESTRIAN OR MOTORIST CONFLICTS WITH ALL CONSTRUCTION ACTIVITIES FOR ALL AREAS OF CONSTRUCTION.
24. THE CONTRACTOR SHALL PROVIDE PLANS INDICATING THE METHOD OF HANDLING TRAFFIC (MHT) FOR EACH TEMPORARY TRAFFIC CONTROL SCENARIO, TO THE CITY OF OURAY PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL BEFORE COMMENCING ANY WORK IN THE CITY RIGHT-OF-WAY OR EASEMENTS. FOR ANY MHT'S THAT REQUIRE TRAFFIC CONTROL DEVICES TO BE PLACED IN THE CDOT R-O-W, THESE MHT'S MUST ALSO BE SUBMITTED TO CDOT REGION 5 STAFF FOR THEIR REVIEW AND APPROVAL. THE CONTRACTOR SHALL EMPLOY A CERTIFIED TRAFFIC CONTROL SUPERVISOR (CTCS) TO BE RESPONSIBLE FOR ALL METHODS OF HANDLING TRAFFIC (MHT'S).
25. LANE CLOSURES FOR CONSTRUCTION ACTIVITIES MUST PROVIDE AT LEAST ONE ALL-WEATHER LANE FOR PASSAGE THROUGH THE CONSTRUCTION ZONE IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN.
26. ALL TRENCHES THAT ARE NOT PART OF ACTIVE CONSTRUCTION ACTIVITIES SHALL BE PLATED, WITH PLATES SECURED TO THE GROUND TO PREVENT MOVEMENT, TO ENABLE TRAFFIC PASSAGE OVER THE TRENCH.
27. WHEN NECESSARY FOR CONSTRUCTION, EXISTING ROAD SIGNS ARE TO BE MOUNTED ON TEMPORARY STANDS UNTIL REINSTALLED IN THEIR ORIGINAL LOCATION OR IN NEW LOCATIONS AS SHOWN ON SIGNING AND STRIPING PLAN. INSTALLATION SHALL BE PER NOTES PROVIDED ON SIGNING AND STRIPING PLAN.

GENERAL UTILITY NOTES

- 28. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY PROVIDERS AND APPROVING AGENCIES FOR ANY PLANNED INTERRUPTION OF UTILITY SERVICES INCLUDING BUT NOT LIMITED TO ELECTRICAL, TELEPHONE, WATER, SEWER, GAS, ETC.
29. THE CONTRACTOR SHALL COMPLY WITH ARTICLE 1.5 OF TITLE 9, C.R.S. "EXCAVATION REQUIREMENTS" WHEN EXCAVATING OR GRADING IS PLANNED IN THE AREA OF UNDERGROUND UTILITY FACILITIES. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITIES AT LEAST TWO (2) BUSINESS DAYS, NOT INCLUDING THE ACTUAL DAY OF NOTICE, PRIOR TO COMMENCING SUCH OPERATIONS. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT 811 OR 1-800-922-1987, TO HAVE LOCATION OF UNCC REGISTERED LINES MARKED. ALL OTHER UNDERGROUND FACILITIES SHALL BE LOCATED BY CONTACTING THE RESPECTIVE OWNER. UTILITY SERVICE LATERALS SHALL ALSO BE LOCATED PRIOR TO BEGINNING EXCAVATION OR GRADING.
30. IN ACCORDANCE WITH ARTICLE 1.5 OF TITLE 9, SECTION 103, C.R.S., EXISTING UTILITY FACILITIES ARE DEPICTED IN THE PLAN SHEETS AS REFERENCED BY THE QUALITY LEVEL NOTED THEREIN PURSUANT TO THE ASCE STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA (CI/ASCE 38-02) THE CONTRACTOR SHALL NOT BE RELIEVED OF ITS RESPONSIBILITY TO COMPLY WITH THE REQUIREMENTS SET FORTH THEREIN AND SHALL NOT RELY SOLELY ON THE PLANS AND SPECIFICATIONS WHEN COMPLETING ITS WORK WITH RESPECT TO EXISTING BURIED UTILITIES.
31. THE CONTRACTOR SHALL CONSULT THE UTILITY PROJECT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION RELATED TO UTILITIES AND WORK TO BE PERFORMED AS PART OF THE PROJECT. CONTACT INFORMATION FOR ALL UTILITY OWNERS IS CONTAINED WITHIN THE UTILITY SPECIAL PROVISION.
32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR POTHOLING TO EXPOSE THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY CROSSINGS AND RECORD THE INFORMATION IN THE AS-BUILT RECORD DRAWINGS.

CONCRETE

- 33. CDOT B CONCRETE SHALL BE USED FOR SIDEWALKS, CURB AND GUTTER, HANDICAP RAMPS, AND INLETS. PER 601.02 CLASS D OR CLASS P CONCRETE MAY BE USED IN PLACE OF CLASS B CONCRETE AT THE CONTRACTOR'S OPTION.
34. PRIOR TO THE START OF ANY CONCRETE WORK, THE CONTRACTOR SHALL PROVIDE CURRENT, CDOT APPROVED MIX DESIGNS FOR EACH TYPE OF CONCRETE PROPOSED FOR USE ON THE PROJECT. THESE MIX DESIGNS MUST MEET THE REQUIREMENTS FOR A CLASS 2 SULFATE EXPOSURE LEVEL.

GRADING AND DRAINAGE

- 35. A WATER TRUCK, IF CALLED FOR BY AN AGENCY INSPECTOR OR OWNER'S REPRESENTATIVE, WILL BE PROVIDED TO KEEP WIND EROSION IN CHECK.
36. ANY SETTLEMENT OR SOIL ACCUMULATIONS BEYOND THE PROPERTY LIMITS DUE TO GRADING OR EROSION SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR.

WORK IN PAVEMENT

- 37. WHERE CONSTRUCTION OCCURS IN OR ACROSS ASPHALT, SAW CUT THE PAVEMENT FOR A CLEAN, STRAIGHT EDGE TO PATCH AGAINST. PATCHING SHALL BE PER THE DETAILS INCLUDED IN THE PLAN SET. ALL PAVEMENT SAW CUTS ARE TO BE 90° TO ONE ANOTHER.
38. TRENCH BACKFILL MAY BE USED TO TEMPORARILY TO PROVIDE A SMOOTH DRIVING SURFACE FLUSH WITH SURROUNDING PAVEMENT UNTIL PATCHBACK OPERATIONS CAN BE COMPLETED. IMMEDIATELY PRIOR TO ASPHALT PATCHBACK, THE CONTRACTOR SHALL REMOVE THE TOP 4 INCHES OF CLASS 6 ABC ON THE TRENCH AND RECONDITION THE BACKFILL AS NECESSARY TO MEET THE TOWN PAVING STANDARDS. COMPACTION TESTS SHALL BE TAKEN BY THE GEOTECHNICAL TESTING LABORATORY AND SUBMITTED TO THE ENGINEER. ALL DAMAGED EDGES OF PAVEMENT OR SOFT SHOULDERS SHALL BE SAW CUT AND REMOVED AND THE BASE COMPACTED.
39. ALL ASPHALT PATCHBACK SHALL BE 4 INCHES THICK PLACED IN TWO EQUAL LIFTS.
40. WITH NOTIFICATION OF THE AGENCY INSPECTOR, CONTRACTOR SHALL ADJUST RIMS OF ALL CLEANOUTS, MANHOLES, VALVE COVERS, AND SURVEY MONUMENTS (BY A LICENSED PLS) TO FINISHED GRADE PRIOR TO FINAL MATERIAL PLACEMENT.

PHASING/PEDESTRIAN ACCESS

- 41. CONTRACTOR SHALL SUBMIT A PHASING PLAN INCLUDING PEDESTRIAN DETOURS FOR REVIEW AND APPROVAL BY THE PROJECT ENGINEER.

RIGHT-OF-WAY PRECAUTIONS

- 42. PRIOR TO THE START OF CONSTRUCTION, THE ROW LIMITS MUST BE PHYSICALLY DELINEATED BY A PROFESSIONAL LAND SURVEYOR. AS THE LIMITS OF WORK ARE VERY CLOSE TO PRIVATE PROPERTY BOUNDARIES, THE CONTRACTOR MUST BE PREPARED AND CAPABLE OF BUILDING THE PROJECT EXCLUSIVELY ON PUBLIC ROW. THE USE OF SPECIALIZED CONSTRUCTION TECHNIQUES, INCLUDING THE USE OF HAND TOOLS, IS LIKELY REQUIRED TO CONSTRUCT PORTIONS OF THE PROJECT.

ENVIRONMENTAL

- 43. THIS PROJECT MAY REQUIRE DEWATERING OF SURFACE OR SUBSURFACE WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCEPTANCE AND CONTROL OF THIS DRAINAGE IN OR ENTERING THE PROJECT AREA. A CDPHE DEWATERING PERMIT MAY BE REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE PERMIT AND FOR ADHERING TO ALL TERMS AND CONDITIONS OF THE PERMIT INCLUDING FEES, SAMPLING, TESTING, AND REPORTING. ADDITIONALLY, COPIES OF ANY LAB RESULTS AND REPORTS SHALL BE PROVIDED TO THE CDOT PROJECT ENGINEER.
44. THIS PROJECT HAS A TOTAL AREA OF DISTURBANCE (INCLUDING THE STAGING AREA AT THE HAIRPIN CURVE INFIELD) OF 0.8 ACRES AND DOES NOT REQUIRE A STORMWATER CONSTRUCTION PERMIT (CDPS-SCP). SHOULD ADDITIONAL DISTURBED AREAS OF MORE THAN 0.2 ACRES BE ADDED TO THE PROJECT, A PERMIT WOULD BE REQUIRED. BOTH THE CITY OF OURAY AND THE CONTRACTOR WILL BE LISTED ON THE PERMIT. THE CONTRACTOR MUST COMPLETE ALL PORTIONS OF THE PERMIT APPLICATION AND SUBMIT TO CDPHE AT LEAST 10 BUSINESS DAYS PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL NOT COMMENCE PERMIT-RELATED WORK UNTIL THE PERMIT IS RECEIVED AND SHALL COMPLY WITH ALL TERMS AND REPORTING REQUIRED BY THE PERMIT.
45. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. CONSTRUCTION ACTIVITIES IN ADDITION TO NORMAL CONSTRUCTION PROCEDURE SHALL INCLUDE THE PARKING OF VEHICLES OR EQUIPMENT, DISPOSAL OF LITTER, AND ANY OTHER ACTION WHICH WOULD ALTER EXISTING CONDITIONS.
46. BEST MANAGEMENT PRACTICES. STANDARD BEST MANAGEMENT PRACTICES (BMPs) WILL BE IMPLEMENTED ON-SITE TO AVOID IMPACTS TO AQUATIC RESOURCES (WETLANDS AND OTHER WATERS OF THE U.S.) DURING CONSTRUCTION.
47. VEHICLE MAINTENANCE. THE CONTRACTOR SHALL NOT PERFORM EQUIPMENT FUELING OR LUBRICATION WITHIN 100 FT OF CANALS, PERENNIAL WATERWAYS, WETLANDS, OR OTHER OPEN WATER.
48. CONSTRUCTION ACTIVITIES WILL BE LIMITED TO DAYLIGHT HOURS. NO NIGHTTIME WORK OR ARTIFICIAL LIGHTING OF THE PROJECT AREA WILL BE ALLOWED IN ORDER TO MINIMIZE IMPACTS TO WILDLIFE MOVEMENT.
49. ALL AQUATIC RESOURCES WILL BE AVOIDED FOR THIS PROJECT AND, THEREFORE, NO IMPACTS TO AQUATIC RESOURCES ARE ANTICIPATED (TEMPORARY OR PERMANENT). AS SUCH, A CLEAN WATER ACT SECTION 404 PERMIT AUTHORIZATION FROM THE U.S. ARMY CORPS OF ENGINEERS (USACE) IS NOT REQUIRED. IF IMPACTS TO AQUATIC RESOURCES CANNOT BE AVOIDED, THE CONTRACTOR SHALL OBTAIN THE APPROPRIATE PERMITS FROM THE U.S. ARMY CORPS OF ENGINEERS AND CLEARANCES FROM CDOT.

ADA

- 50. THERE SHALL BE NO "LIP" BETWEEN THE CURB AND GUTTER ON PROWAG COMPLIANT RAMPS.
51. DETECTABLE WARNINGS ARE INCIDENTAL TO "CURB RAMP" PAY ITEMS AND MUST BE AN UN-COATED CAST IRON TYPE FOUND ON THE CDOT APPROVED PRODUCTS LIST.
52. ALL CURB RAMPS WILL BE MEASURED FOR COMPLIANCE USING OF A 2-FOOT SMART LEVEL.
53. ALL SIGN LOCATIONS SHALL NOT OBSTRUCT PEDESTRIAN TRAVEL ON SIDEWALKS UNLESS SAID SIGNS ARE USED TO CLOSE SIDEWALK.
54. ALL TYPES OF SIDEWALK CLOSED SIGNS SHALL BE MOUNTED IN AN ADA ACCESSIBLE FASHION PER MUTCD 6D.02.
55. PER STANDARD SPECIFICATION 630.10(6), MHT'S SHALL INCLUDE A PLAN FOR MAINTAINING AND CONTROLLING PEDESTRIAN AND OTHER TRAFFIC.
56. ALL IMPROVEMENTS HAVE BEEN DESIGNED IN COMPLIANCE WITH PUBLIC RIGHTS OF WAY AND ACCESSIBILITY GUIDELINES (PROWAG). ALL WORK COMPLETE SHALL BE COMPLIANT WITH PROWAG. FAILURE TO PROVIDE PROWAG COMPLIANT WORK WILL RESULT IN REMOVAL AND REPLACEMENT, AT THE CONTRACTOR'S EXPENSE.

MEETINGS

- 57. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION MEETING AT LEAST 7-DAYS PRIOR TO CONSTRUCTION WITH ALL SUBCONTRACTORS AND CITY AND CDOT REPRESENTATIVES.
58. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION SURVEY MEETING AT LEAST 7-DAYS PRIOR TO CONSTRUCTION WITH THE PROJECT SUPERINTENDENT, THE CONTRACT SURVEYOR, AND CITY AND CDOT REPRESENTATIVES.
59. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONCRETE PLACEMENT MEETING 7 DAYS PRIOR TO THE PLACEMENT OF ANY PROJECT CONCRETE.
60. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-PAVING MEETING 7 DAYS PRIOR TO THE PLACEMENT OF ANY PROJECT PAVEMENT.

Table with 2 columns: Agency/Requirement and City of Ouray/CDOT specifications. Includes rows for Approving Agencies, Inspecting Agencies, and Required Permits.

*THIS LIST IS NOT MEANT TO BE ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND OBTAIN ALL NECESSARY PERMITS.



Sheet information: SHEET 19 OF 65. Company: PST ENGINEERING, LLC. Address: 2615 MAIN AVE., SUITE 209, DURANGO, CO 81301. Phone: 970-403-5492.

Project information: PROJECT NAME: OURAY MAIN STREET RMS. PROJECT # C M006-001. PROJECT CODE: 25227. GENERAL NOTES.

Revisions table with columns: #, DATE, DESCRIPTION, SHEET.

DATE: 11/14/2024
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STORMWATER MANAGEMENT PLAN (SWMP) TEMPLATE LESS THAN 1 ACRE OF DISTURBANCE (6/20/2024)

1. Site Description

The Contractor shall comply with all CDOT contractual requirements, and all requirements associated with the CDPS-SCP on this project. The SWMP Administrator for Construction shall update the SWMP to reflect current project site conditions.

A. Project Site Location:

Location or address of construction office:
The project is located in three locations in the City of Ouray, Colorado along 0.2 miles of State Highway 550. Location 1 is on the south side of Ouray at the County Road 361 intersection. Location 2 is in downtown Ouray at the intersections of 6th Avenue and 7th Avenue. Location 3 is on the north side of Ouray at the Visitor Center and Hot Springs intersection. The location of the construction office will be determined by the contractor.

B. Project Site Description:

The project consists of ADA and pedestrian safety improvements consisting of the construction of new sidewalk, curb ramp and bump-outs, curb & gutter, asphalt pavement, minor storm sewer improvements, signing, and striping. The work will involve saw-cutting and removal of asphalt and concrete pavement. At project completion all areas will be covered with hardscape, mulch, or native seeding. Minimal grading will be required for fine grading of sidewalk, curb ramp, and pavement locations.

C. Proposed Schedule for Sequence for Major Construction Activities:

Stabilize all areas that are not paved or landscaped through establishment of vegetation cover.

1. **Contractor Mobilization and Staging.**
2. **Installation of control measures as outlined in the Erosion Control Plan.**
3. **Saw-cutting existing asphalt pavement.**
4. **Demolition of curb & gutter, sidewalk, and asphalt in phases as outline in the approved Contractor Phasing Plan.**
5. **Construction of new storm drains, curb & gutter, sidewalk and asphalt.**
6. **Steps 2-5 will be repeated for all locations throughout the duration of the project until project completion.**
7. **Once the site is stabilized (all hardscape, mulch, native seeding, and sod is in place), the contractor shall remove all temporary control measures.**
8. **Contractor Demobilization from site.**

D. Acres of Disturbance:

1. Total area of construction site (LOC (PERMITTED AREA)): **4.76** acres
2. Total area of proposed disturbance (LDA): **0.87** acres
3. Total area of seeding: **0.12** acres
4. Total area of pre-project impervious surface: **3.62** sq. ft.
5. Total area of final impervious surface: **3.53** sq. ft. (**Gravel area is replaced with seeding in Visitor Center area.**)

E. Existing Soil Data:

Soils in location 1 (south end) of the project area are predominantly Cryorthents-Rock outcrop complex (Hydrologic Soil Group D). Cryorthents-Rock outcrop complex is well drained, has a very high runoff class, and is "extremely stony silt loam" from depths of 0-4 in, "extremely cobbly loam" for depths of 4-12 in, and "unweathered bedrock" for depths of 12-22-in.

Soils in locations 2 and 3 (downtown and north end) of the project area are predominantly Cryoborolls-Cryaquolls association (Hydrologic Soil Group B). Cryoborolls-Cryaquolls association is moderately well drained, has a medium runoff class, and is "highly decomposed plant material" from depths of 0-3 in, "gravelly loam" for depths of 3-8 in, and "gravelly sandy clay loam" for depths of 8-27-in.

Data Source(s): **NRCS WEBSOIL SURVEY WEBSITE**

F. Existing Vegetation, Including Percent of Vegetative Cover:

During design, the SWMP Administrator for Design in consultation with the Engineer will determine if the SWMP Administrator for Design or the SWMP Administrator for Construction will conduct the Vegetation Transects. If the site is disturbed, an Adequate Reference Site(s) may be utilized, refer to the CDPS-SCP.

The SWMP Administrator for Construction shall conduct the Vegetation Transects prior to disturbance of the vegetated areas.

Pre-Construction Date of survey: _____ Percent Existing Vegetative Cover: _____

Description of existing vegetation: _____

Method for determining percent vegetative cover: **CDOT Vegetation Transect Procedure**

Include a map or table showing transect locations, photos documenting pre-Construction vegetative cover, and methodology used to determine existing vegetative cover to SWMP Tab 17:

Post-Construction Date of survey: _____ Percent Vegetative Cover: _____

Description of vegetation:

The method used to determine pre-construction percent cover shall be used to determine post construction percent cover.

Include map or table showing transect locations, photos documenting post-Construction vegetative cover, and methodology used to determine existing vegetative cover to SWMP Tab 17:

2. Stormwater Management Controls for First Construction Activities

The Contractor shall perform the following

A. Potential Pollutants Sources:

Refer to Potential Pollutant Sources in SWMP Section 4A. The SWMP Administrator for Construction shall prepare a list of all potential pollutants and their locations in accordance with subsection 107.25.

B. Offsite Drainage (Run on Water):

Place Control Measures to address run-on water in accordance with subsection 208.03.

C. Construction Dewatering:

Obtain a CDPS Dewatering Permit from CDPHE if conditions of their Low Risk Guidance for Discharges of Uncontaminated Groundwater to Land are not met; see subsections 107.02 and 107.25.

Refer to CDPHE Low Risk Discharge Guidance Document of Uncontaminated Groundwater to Land.

<https://www.colorado.gov/pacific/sites/default/files/WQ%20LOW%20RISK%20GW.pdf>

D. Vehicle Tracking Control:

Control Measures shall be implemented in accordance with subsection 208.04.

E. Perimeter Control:

Perimeter control shall be established as the first item on the SWMP to prevent the potential for pollutants leaving the construction site boundaries, entering the stormwater drainage system, or discharging to state waters. With subsection Perimeter control may consist of berms, silt fence, erosion logs, existing landforms, or other Control Measures as approved.

3. Qualified Stormwater Managers:

A. SWMP Administrator for Design:

CDOT Certified Individual responsible for developing SWMP Plan Sheets and SWMP Site Maps during the design phase.

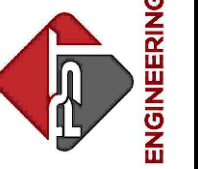
Name/Title	Contact Information [phone & email]	Certification #
Stephen Pavlick / Owner	970-903-3706; stevep@psteng.net	2D17ED61

B. SWMP Administrator for Construction: (As defined in Section 208) The Contractor shall designate a SWMP

Administrator for Construction upon accepting co-permittee of the permit. The SWMP Administrator for Construction shall become the operator for the SWMP and assume responsibility for all design changes to the SWMP implementation and maintenance in accordance with subsection 208.03, the SWMP shall remain the property of CDOT. The SWMP Administrator for Construction shall be responsible for implementing, maintaining, and revising SWMP, including the title and contact information. The activities and responsibilities of the SWMP Administrator for Construction shall address all aspects of the project's SWMP. (Update the information below for each new SWMP Administrator for Construction) (A copy of current TECS Certification must be included in the SWMP).

Name/Title	Contact Information (phone & email)	Certification #	Certification Expiration Date	Start Date
TBD				

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 2615 MAIN AVE. SUITE 209
 DURANGO, CO 81301
 970-403-5492



**PROJECT NAME: OURAY
 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 STORMWATER MANAGEMENT
 PLAN 1**

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C. **Permanent Stabilization Subject Matter Expert:** This qualified individual will be either a Regional Environmental Staff member, or an Independent Contractor Controller (Independent Assurance Program). This expert is a project team leader responsible for ensuring project adherence to requirements of the 207 and 212 Project Special Provisions as follows and will be available for questions regarding permanent stabilization requirements.

1. Review the Topsoil Management Plan and the Permanent Stabilization Site Maps.
2. Attend the Environmental Pre-Construction Conference.
3. Coordinate the Site Pre-Vegetation Conference.
4. Review and recommend approval of products.
5. Attend the Partial Landscape Completion Walkthrough.
6. Attend the Final Landscape Completion Walkthrough.

Name/Title	Contact Information [phone & email]
Danielle Wilkinson	danielle.wilkinson@state.co.us / 970-903-0752

4. During Construction

Responsibilities of the SWMP Administrator for Construction: Considered a "living document", the SWMP is continuously reviewed and modified throughout the construction phases. During construction, the SWMP Administrator for Construction shall have full responsibility to maintain and update the SWMP in accordance with subsection 208.03(c).

During construction, indicate how items that were not addressed during design are being handled in construction. If items are covered in other sections of the SWMP, indicate below what section the discussion takes place.

- A. **Materials Handling and Spill Prevention and Response Plan:** Prior to commencing Construction Activities Associated with Water Quality, the Contractor shall submit a Spill Response Plan. Materials handling and Spill Response Plan shall be in accordance with subsection 208.06.
- B. **Other CDPS Permits or Guidance Documents:** List applicable CDPS permits or guidance documents associated with the permitted site and activities.
- C. **Stockpile Management:** Shall be done in accordance with subsections 107.25 and 208.07.
- D. **Concrete Washout:** Concrete and masonry washout water or waste from field laboratories and paving equipment shall be contained in accordance with subsection 208.05.
- E. **Saw Cutting:** Shall be done in accordance with subsections 107.25, 208.02, 208.04, 208.05.
- F. **Street Sweeping:** Shall be done in accordance with subsection 208.04.

5. Control Measure Maintenance

Maintenance shall be in accordance with subsection 208.04(f).

6. Temporary, Permanent Stabilization and Long-Term Stormwater Management

The Contractor shall comply with all temporary stabilization and permanent stabilization requirements in accordance with subsection 208.04(e).

A. **Seeding Plan:**

The following seed mix(es) and rates are for **broadcast** seeding method as shown on the Permanent Stabilization Site Maps shall be used:

Common Name	Botanical Name	Lb. PLS per acre
Canada wildrye	<i>Elymus canadensis</i>	1.5
Mountain brome	<i>Bromus marginatus</i> Bromar	3.9
Slender wheatgrass	<i>Elymus trachycaulus</i> San Luis	2.4
Meadow barley	<i>Hordeum brachyantherum</i> VNS	3.75
Rocky mountain fescue	<i>Festuca saximontana</i>	0.375
Nuttall's alkaligrass	<i>Puccinellia nuttalliana</i> VNS	0.15
Green needlegrass	<i>Nassella viridula</i> VNS	1.5

Mountain lupine	<i>Lupinus x alpestris</i> VNS	1.5
Rocky Mountain penstemon	<i>Penstemon strictus</i> VNS	0.75
Western yarrow	<i>Achillea millefolium</i> var. <i>occidentalis</i> VNS	0.75
Total		16.575

B. **Seeding Application Method:**

The following seeding methods shall be used for all areas shown on the Permanent Stabilization Site Maps. Soil compaction shall be minimized for areas where permanent/landscape stabilization will be achieved through vegetative cover.

Pay Item	Seeding Method (subsection 212.05)	Acre
212-00706	Seeding (Native) Drill	
212-00707	Seeding (Native) Hydraulic	
212-00708	Seeding (Native) Broadcast	0.12
212-00709	Seeding (Wetland) Drill	
212-00710	Seeding (Wetland) Hydraulic	
212-00711	Seeding (Wetland) Broadcast	
Total		0.12

C. **Mulching Application:**

Apply a minimum of 2 tons/ac of certified weed free hay or 2 1/2 tons/ac of certified weed free straw per acre and in accordance with Section 213, and mechanically crimp it into the soil in combination with an organic mulch tackifier.

Prior to winter shutdown or the summer seeding window closure: Uncompleted slopes shall be mulched with 2 tons of mulching (weed free) per acre, mechanically crimped into the topsoil in combination with an organic mulch tackifier in accordance with Sections 208 and 213.

D. **Special Requirements:**

1. Soil amendments, seedbed preparation, and permanent stabilization mulching shall be accomplished within four working days of placing the topsoil on the de-compacted civil subgrades. If placed topsoil is not mulched with permanent stabilization mulch within four working days, the Contractor shall complete temporary stabilization methods in accordance with subsection 208.04(e) at no additional cost to the Department.
2. Complete permanent stabilization mulching within 24 hours of hydraulic application of native seed.
3. The Contractor shall submit a proposed Permanent Stabilization Phasing Plan to the Engineer for approval showing how implementation of SWMP Permanent Stabilization Plans will minimize damage to seeded areas.

E. **Soil Amendment Requirements:** Minimum amendment material requirements for all disturbances to receive seeding.

0.12 Total Acres of Seeding (Native) Broadcast (Pay Item 212-00708)

Pay Item	Description	Amount/Acre	Units	Total For This Method
212-00700	Organic Fertilizer	800	Pounds	96
212-00701	Compost (Mechanically Applied)	130	CY	16
212-00704	Mycorrhizae	60	Pounds	7

F. **Soil Retention Covering:**

On slopes and ditches requiring a blanket or turf reinforcement mat (TRM), the blanket/TRM shall be placed in lieu of mulch and mulch tackifier and placed after seeding. See SWMP Site Map for blanket/TRM locations.

G. **Permanent Stabilization Application Under Structures:**

Under structures, shade patterns should be considered and the use of Median Cover Material (Stone) or other stabilized options with an approved Project Special Provision should be used. See SWMP Site Map for locations.

H. **Reseeding Operations/Corrective Stabilization:**

Prior to stormwater construction work partial acceptance.

1. All seeded areas shall be reviewed by the SWMP Administrator for Construction and or Erosion Control



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Inspector for bare soils caused by surface or wind erosion. Bare areas caused by surface or gully erosion, blown away mulch, etc. shall be re-graded, seeded, and have the designated mulching applied as necessary, at no additional cost to the project.

2. The Contractor shall maintain seeding/mulch/tackifier/blanket/TRM, mow to control weeds or apply herbicide to control weeds in the seeded areas, at no additional cost to the project.

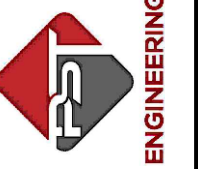
7. Prior to Project Final Acceptance

- A. When directed by the Engineer, removal and disposal of temporary control measures shall be included in the cost of work.
- B. At the end of the project, all ditch checks shall consist of either temporary erosion logs (sediment control logs) (or equivalent) or permanent riprap.
- C. All storm drains shall be cleaned prior to the Final Acceptance of the project. If required, include work in 202-04002 Clean Culvert.
- D. Refer to subsection 208.10 for Items to be completed prior to requesting partial acceptance of water quality work.



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PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
STORMWATER MANAGEMENT
PLAN 3

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8. Narratives

Control Measure Matrixes During Construction:

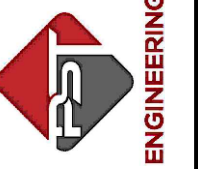
- Control measure narratives have been included for the CDOT Standard Specifications and Standard Plan M-208 and M-216 along with any non-standard control measures approved during the design process. If a Non-Standard Control Measure not included in the SWMP is proposed and approved by the Engineer, the SWMP Administrator for Construction shall: Place an "X" in the column "M-208 Standard or 'X' for Non-Standard" and complete a Non-Standard Control Measure Specification and Narrative. The Narrative shall include drawings, dimensions, installation information, materials, implementation processes, control measure-specific inspection expectations, and maintenance requirements of the control measure. The appropriate "X" shall also be added to the implementation phase(s).
- The SWMP Administrator for Construction shall place an "X" in the column "In Use On Site" when the control measure has been installed.
- A "B" in the "Initial Activities" column indicates that the control measure shall be installed **before** construction activities associated with water quality commence. Locations and quantities will be discussed during the Environmental Pre-Construction Conference with the Regional Water Pollution Control Manager.

Structural Control Measures that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to the following:

Application, Control measure	Narrative	M- 208 Standard or "X" For Non-Standard	In Use on Site	Initial Activities	Interim Activities	Permanent Stabilization
Protection of Existing Wetlands Fence (plastic) and erosion logs (sediment control logs)	Fence (plastic) shall be placed in combination with erosion logs (sediment control logs) to prevent encroachment of construction traffic and sediment into state waters prior to start of construction activities associated with water quality. Fence (plastic) shall be placed adjacent to the wetlands; erosion logs (sediment control logs) shall be placed between the plastic fence and disturbance area. Logs shall be placed to direct flows away from or filter water running into wetlands from disturbance areas.					
Protection of Existing Trees/Landscaping Fence (plastic)	Fence (plastic) shall be used in areas indicated in the plans to prevent encroachment of construction traffic and sediment for the protection of sensitive habitat, mature trees and/or existing landscaping prior to start of construction activities associated with water quality.			B	X	
Check Dam/Ditch Check Erosion log (sediment control log), silt berm, silt dike, rock check dam	Placed in ditches immediately upon completion of ditch grading to reduce velocity of runoff in the ditch. For existing ditches, place prior to start of construction activities associated with water quality.	M-208		X	X	
Storm Drain Inlet Protection in Paved Roadways (Type 1, 2 and 3 as shown on M-208-1, sheet 5 of 11)	Manufactured storm drain inlet protection placed prior to construction activities associated with water quality as detailed in M-208-1, to protect existing inlets or immediately upon completion of new inlets to prevent sediment from entering the inlet throughout construction.	M-208		B	X	X
Storm Drain Inlet Protection in Native Seed Areas (M-604 Standard Inlets Type C and D)	Erosion logs (sediment control logs) or aggregate bags placed around the inlet grate to prevent sediment from entering the inlet. Place prior to construction activities associated with water quality to protect existing inlets or immediately upon completion of new inlets.	M-208		B	X	X
Culvert Inlet/Outlet Protection Erosion logs (sediment control logs), aggregate bags	Placed at mouth of culvert inlets and over top of culvert at inlet and outlet where disturbance may be occurring adjacent to pipe to prevent sediment laden water from entering pipe or drainage. Place prior to the start of construction activities associated with water quality.	M-208		X	X	
Type C, Type D And Type 13 Protection Erosion logs (sediment control logs), aggregate bags, erosion bales	Placed around inlet grate or slope and ditch paving to prevent sediment from entering inlet. Place prior to the start of construction activities associated with water quality.	M-208		B	X	X
Stockpile Protection Temporary berm, erosion logs (sediment control logs), aggregate bags*	Placed within specified distance, in accordance with subsection 208.06, from toe to contain sediment around stockpile. *Aggregate bags are easily moved and replaced for access during the workday. Place prior to start of stockpiling, increase control as the stockpile increases size.	M-208			X	
Toe of Fill Protection Erosion logs (sediment control logs), temporary berm, silt fence, topsoil windrow*	Place prior to slope/embankment work to capture sediment and protect and delineate undisturbed areas. *Can be used to stockpile topsoil for salvage.	M-208				
Perimeter Control Erosion logs (sediment control logs), silt fence, temporary berms	Placed prior to construction activities associated with water quality commencing to address potential run-on water from off site, and to divert around disturbed areas.	M-208		B	X	
Slope Control Silt fence, erosion logs (sediment control logs)	Placed on the contour of a slope to contain and slow down construction runoff. Place prior to the start of construction activities associated with water quality.	M-208		X	X	
Temporary Sediment Trap	Used to capture sediment laden runoff from disturbed areas < 5 acres during construction. Place prior to the start of construction activities associated with water quality. Outlets that withdraw water from or near the surface may be installed when discharging from basins and impoundments.	M-208				
Temporary Slope Drain	Placed as a conduit or chute to drain runoff down slope and to prevent erosion of slope.	M-208				



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PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
STORMWATER MANAGEMENT
PLAN 4

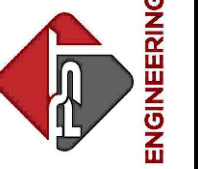
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Application, Control measure	Narrative	M- 208 Standard or "X" For Non-Standard	In Use on Site	Initial Activities	Interim Activities	Permanent Stabilization
Outlet Protection Riprap, or approved other	Material placed as an energy dissipater to prevent erosion at outlet structure.	M-601-12				
Concrete Washout In-ground or fabricated	Construction control, used for waste management of concrete/masonry and concrete/masonry equipment cleaning. Place prior to the start of concrete and masonry activities.	M-208		X	X	
Vehicle Tracking Pad	Vehicle tracking pads shall be used at all vehicle and equipment exit points from the site to prevent sediment exiting the LOC. Place prior to the start of construction activities associated with water quality.	M-208		B	X	
Engineered Sediment Basin	Constructed early in the project, prior to storm sewer/ditches and in accordance with 208.05(q) to capture storm flow. Outlet structure and/or outfall shall be modified for temporary sediment control using an approved non-standard detail. Outlets that withdraw water from or near the surface shall be installed when discharging from basins and impoundments, unless infeasible					
Dewatering (Contractor is responsible for obtaining a permit from the Colorado Department of Health and Environment.)	Shall be done in such a manner to prevent potential pollutants from entering State waters.					
Temporary Stream Crossing	Constructed over stream or drainage to prevent discharge of pollutants from construction equipment into water.					
Clean Water Diversion	Placed to divert clean surface or groundwater around the disturbance area to prevent it from mixing with construction runoff.					
Other						

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Non-Structural Control Measures that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to:
 Erosion control devices are used to limit the amount of soil loss on site. Sediment control devices are designed to capture sediment on the project site. Construction controls are control measures related to construction access and staging. Control Measure locations are indicated on the SWMP Site Map.

Application, Control measure	Narrative	M-208 Standard Or "X" for Non-Standard	In Use on Site	Initial Activities	Interim Activities	Permanent Stabilization
Vegetative Buffer Strip	Finishing component for filtering sediment-laden runoff from disturbance area. Area within CDOT ROW or temporary easement to be identified on SWMP prior to construction activities associated with water quality starting. Upgradient control measures must be installed immediately adjacent to vegetative buffers.					
Grading Applications (Landform)	Existing or created landforms may be used as a control measure if they prevent sediment from entering or leaving the disturbance area. If a landform directs flow of water to a concentrated outfall point, the outfall point shall be protected to prevent erosion. Area to be identified on SWMP prior to construction activities associated with water quality starting.	M-208				
Topsoil Management Stockpile/Salvage Stockpile	Prior to any site disturbance work commencing, existing topsoil shall be scraped to a depth six inches or as specified, and placed in stockpiles or windrows. Upon completion of final grading, topsoil shall be evenly distributed over embankment to a depth of six inches or as specified.	M-208		X	X	X
Surface Roughening / Grading Techniques	Daily stabilization of disturbance and to minimize wind erosion.				X	
Seeding (Temporary)	Temporary stabilization used for over wintering of disturbance or used to control erosion for areas scheduled for future construction.					
Bonded Fiber Matrix or Mulching (Hydraulic)	Not to be used in areas of concentrated flows, i.e. ditch lines. To be for either Temporary or Permanent Stabilization placed as a surface cover for erosion control. May be used as surface cover when work is temporarily halted and as approved by the Engineer for stockpiles.					
Straw or Hay Mulch/Mulch Tackifier	Temporary or Permanent Stabilization placed as a surface cover for erosion control and or seeding establishment. To be installed as Temporary Stabilization as a surface cover when work is temporarily halted and as approved by the Engineer				X	X
Spray-On Mulch Blanket (Not to be used in areas of concentrated flows, i.e. ditch lines.)	Temporary or Permanent Stabilization placed as a surface cover for erosion control and or seeding establishment. To be installed as temporary surface cover when work is temporarily halted and as approved by the Engineer					
Seeding Permanent (Native Perennial)	Permanent Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.					X
Soil Retention Blanket (SRB)	Temporary or Permanent Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.	M-216				X
Turf Reinforcement Mat (TRM)	Permanent Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas. Placed in channels or on slopes for erosion control, channel liner and seed establishment.	M-216				
Sweeping	Source control, used to remove sediment tracked onto paved surfaces and to prevent sediment from leaving the LOC. Sweep daily and at the end of the construction shift as needed. Kick brooms shall not be permitted.			X	X	X
Other						

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**PROJECT NAME: OURAY
 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 STORMWATER MANAGEMENT
 PLAN 6**

#	DATE	DESCRIPTION	REVISIONS:
			SHEET

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9. Tabulation of Stormwater Quantities

A. Control Measure sediment removal and disposal shall be paid for as: 208 Removal and Disposal of Sediment (Equipment) and 208 Removal and Disposal of Sediment (Labor). All other control measure maintenance shall be included in the cost of the control measure.

PSP Spec.	Pay Item	Description	Pay Unit	Initial Const.	Interim Const.	Permanent Stabilization	*Total Quantity
X	202-04002	Clean Culvert	Each			3	3
	203-01500	Blading	Hour				
	203-01550	Dozing	Hour				
X	203-01594	Combination Loader	Hour				
	207-00700	Topsoil (Onsite)	CY				
	207-00606	Topsoil (Imported)	CY			96.4	96.4
	207-00602	Topsoil (Engineered)	CY				
	207-00703	Topsoil (Wetland)	CY				
	207-00704	Subsoil Soil Preparation	SY			578.3	578.3
	208-00001	Silt Dike	LF				
	208-00004	Silt Berm	LF				
	208-00012	Erosion Log Type 1 (9 inch)	LF				
	208-00002	Erosion Log Type 1 (12 inch)	LF				
	208-00013	Erosion Log Type 1 (20 Inch)	LF				
	208-00007	Erosion Log Type 2 (8 Inch)	LF	103	725		828
	208-00008	Erosion Log Type 2 (12 Inch)	LF	158	80		238
	208-00009	Erosion Log Type 2 (18 Inch)	LF				
	208-00011	Erosion Bales (Weed Free)	Each				
X	208-00015	Sand Bag	Each				
	208-00030	Sediment Basin	Each				
	208-00020	Silt Fence	LF	714			714
	208-00021	Silt Fence (Reinforced)	LF				
	208-00022	Erosion Log Type 3 (9 Inch)	LF				
	208-00023	Erosion Log Type 3 (12 Inch)	LF				
	208-00024	Erosion Log Type 3 (20 Inch)	LF				
X	208-00025	Plastic Sheeting	SY				
X	208-00026	Coir Roll	LF				
	208-00033	Sediment Trap	Each				
	208-00035	Aggregate Bag	LF	295	40		335
	208-00041	Rock Check Dam	Each				
	208-00045	Concrete Washout Structure	Each				
	208-00046	Pre-fabricated Concrete Washout Structure (Type 1)	Each	1			1
	208-00146	Pre-fabricated Concrete Washout Structure (Type 2)	Each				
	208-00051	Storm Drain Inlet Protection (Type I)	LF				
	208-00052	Storm Drain Inlet Protection (Type II)	LF				

PSP Spec.	Pay Item	Description	Pay Unit	Initial Const.	Interim Const.	Permanent Stabilization	*Total Quantity
	208-00053	Storm Drain Inlet Protection (Type I) (84 Inch)	Each				
	208-00054	Storm Drain Inlet Protection (Type II)	Each	3	3		6
X	208-00055	Rigid Inlet Protection Device	Each				
	208-00056	Storm Drain Inlet Protection (Type III)	Each	6			6
	208-00057	Storm Drain Inlet Protection (Type I) (144 Inch)	Each				
	208-00058	Storm Drain Inlet Protection (Type I) (204 Inch)	Each				
	208-00060	Temporary Slope Drains	LF				
	208-00070	Vehicle Tracking Pad	Each				
	208-00071	**Maintenance Aggregate (Vehicle Tracking Pad)	CY				
	208-00075	Pre-fabricated Vehicle Tracking Pad	Each	1			1
	208-00103	Removal and Disposal of Sediment (Labor)	Hour		20		20
	208-00105	Removal and Disposal of Sediment (Equipment)	Hour		20		20
	208-00106	Sweeping (Sediment Removal)	Hour		30		30
	208-00107	Removal of Trash	Hour				
	208-00207	Erosion Control Management (ECM)	Day		20		20
	208-00300	Temporary Berm	LF				
X	208-00301	Temporary Diversion	LF	262			262
X	208-00520	Temporary Stream Crossing	LS				
X	211-03005	Dewatering	LS				
	212-00700	Organic Fertilizer	Pounds			96	96
	212-00701	Compost (Mechanically Applied)-	CY			16	16
	212-00702	Biotic Soil Amendments (Hydraulic Applied)	Pounds				
	212-00704	Mycorrhizae	Pounds			7	7
	212-00705	Elemental Sulfur	Pounds				
	212-00706	Seeding (Native) Drill	Acre				
	212-00707	Seeding (Native) Hydraulic	Acre				
	212-00708	Seeding (Native) Broadcast	Acre			.12	.12
	212-00709	Seeding (Wetland) Drill	Acre				
	212-00710	Seeding (Wetland) Hydraulic	Acre				
	212-00711	Seeding (Wetland) Broadcast	Acre				
	212-00009	Seeding (Temporary)	Acre				
	213-00002	Mulching (Weed Free Hay)	Acre				
	213-00003	Mulching (Weed Free)	Acre			.11	.11

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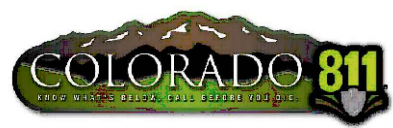


PROJECT NAME: OURAY MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
STORMWATER MANAGEMENT PLAN 7

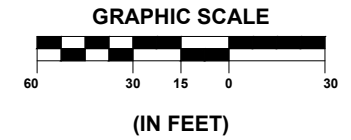
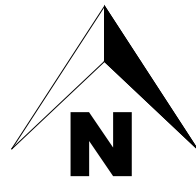
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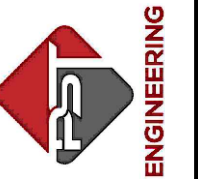


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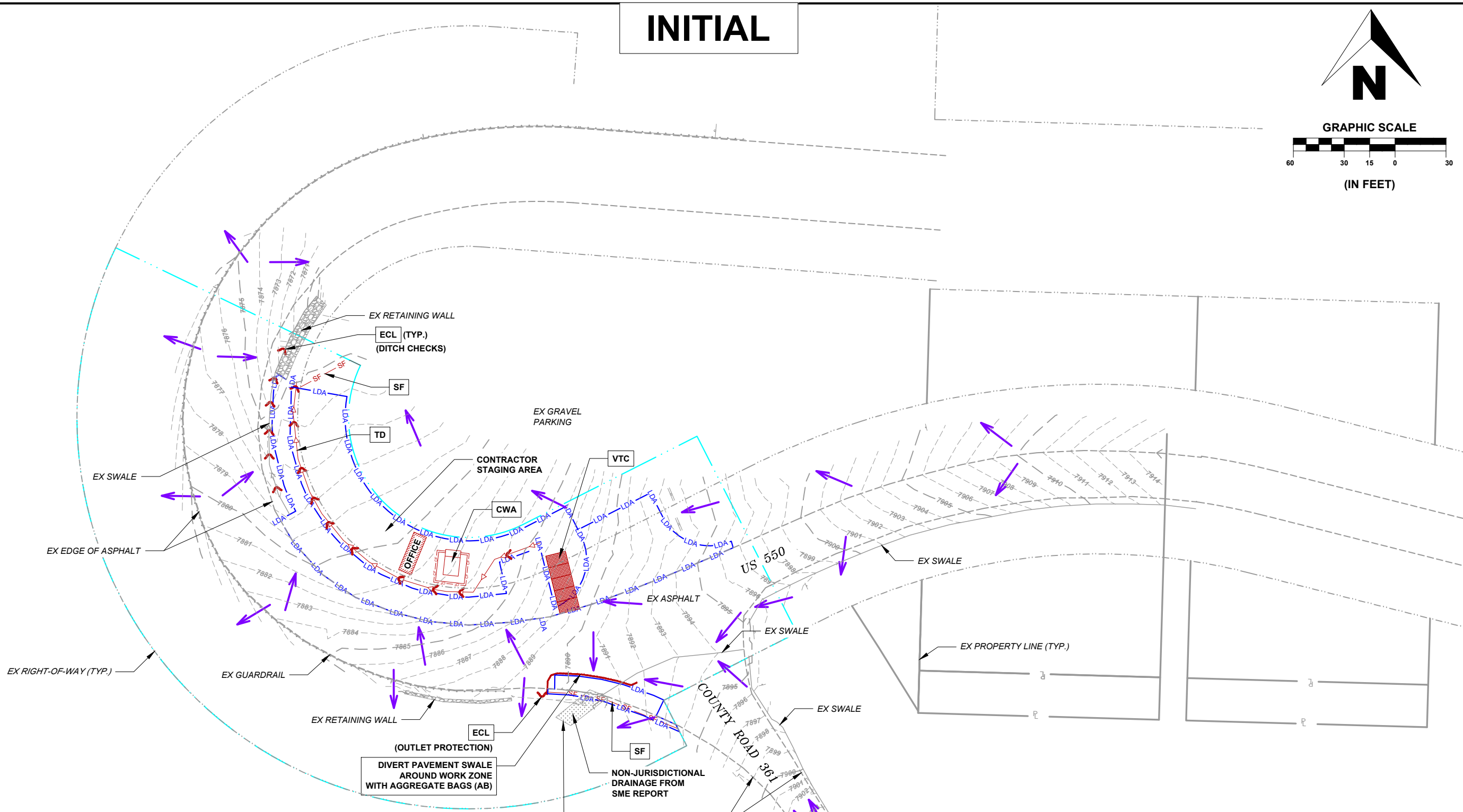


PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
EROSION CONTROL PLAN
INITIAL 1

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LEGEND

- LIMITS OF CONSTRUCTION
- LDA - LIMITS OF DISTURBED AREA
- FLOW ARROW
- ECL - EROSION CONTROL LOGS TYPE 2 (8-INCH) (ECL) (PERIMETER CONTROL)
- SF - SILT FENCE (SF) (PERIMETER CONTROL)
- AGGREGATE BAG (AB)
- EROSION CONTROL LOG, TYPE 2 (12-INCH) (ECL) (DITCH CHECKS)
- STORM DRAIN INLET PROTECTION (IP)
- TEMPORARY DIVERSION (TD)
- CONCRETE WASHOUT AREA (CWA)
- PREFAB VEHICLE TRACKING CONTROL (VTC)

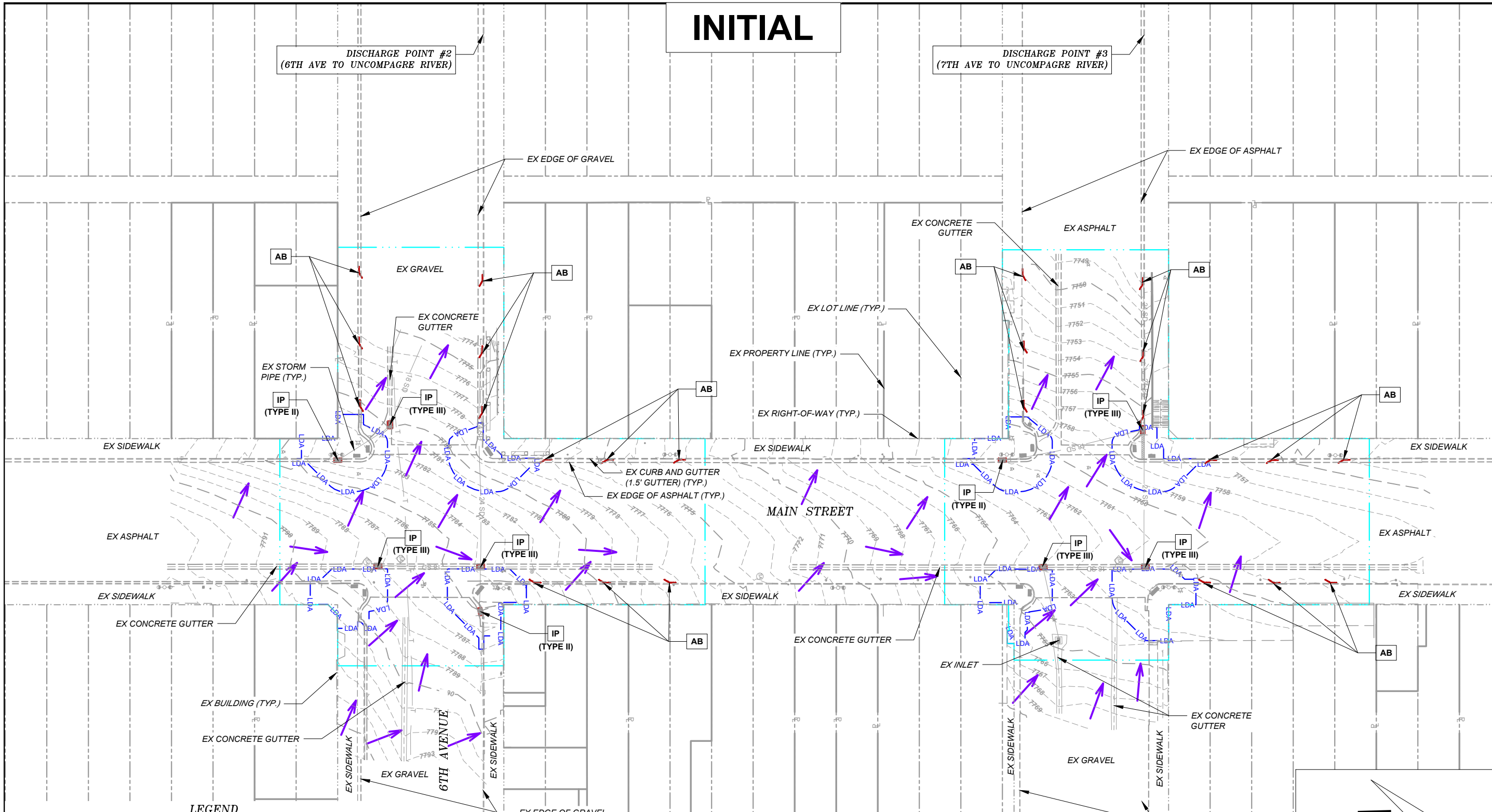
NOTES

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2. STREET SWEEPING SHALL BE CONDUCTED THROUGHOUT THE PROJECT AS NECESSARY.

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DISCHARGE POINT #2
(6TH AVE TO UNCOMPAGRE RIVER)

DISCHARGE POINT #3
(7TH AVE TO UNCOMPAGRE RIVER)

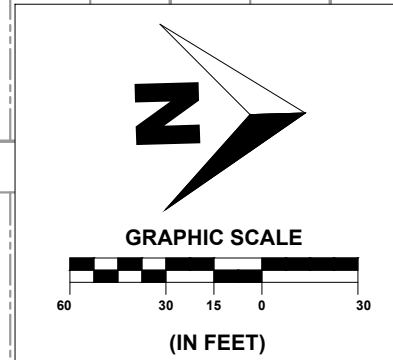


LEGEND

- LIMITS OF CONSTRUCTION
- LDA - LIMITS OF DISTURBED AREA
- FLOW ARROW
- ECL - EROSION CONTROL LOGS TYPE 2 (8-INCH) (ECL) (PERIMETER CONTROL)
- SF - SILT FENCE (SF) (PERIMETER CONTROL)
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- STORM DRAIN INLET PROTECTION (IP)
- TEMPORARY DIVERSION (TD)
- CONCRETE WASHOUT AREA (CWA)
- PREFAB VEHICLE TRACKING CONTROL (VTC)

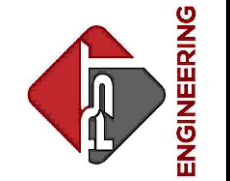
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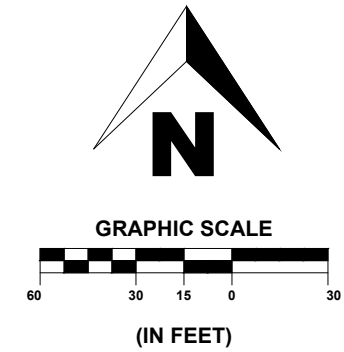
PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
EROSION CONTROL PLAN
INITIAL 2

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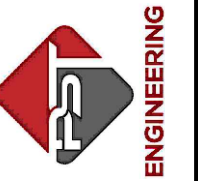
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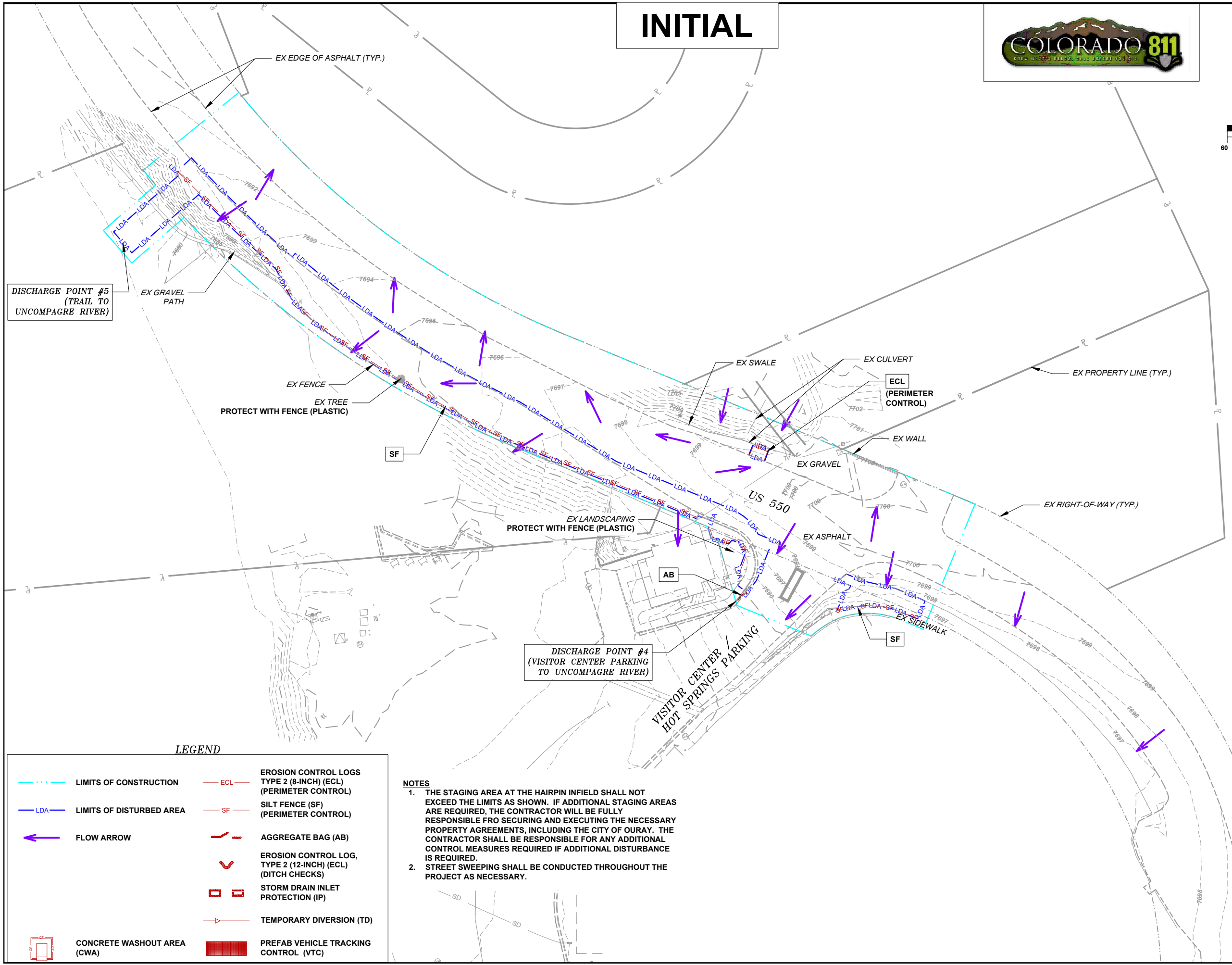


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PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
EROSION CONTROL PLAN
INITIAL 3



LEGEND

	LIMITS OF CONSTRUCTION		EROSION CONTROL LOGS TYPE 2 (8-INCH) (ECL) (PERIMETER CONTROL)
	LIMITS OF DISTURBED AREA		SILT FENCE (SF) (PERIMETER CONTROL)
	FLOW ARROW		AGGREGATE BAG (AB)
			EROSION CONTROL LOG, TYPE 2 (12-INCH) (ECL) (DITCH CHECKS)
			STORM DRAIN INLET PROTECTION (IP)
			TEMPORARY DIVERSION (TD)
	CONCRETE WASHOUT AREA (CWA)		PREFAB VEHICLE TRACKING CONTROL (VTC)

NOTES

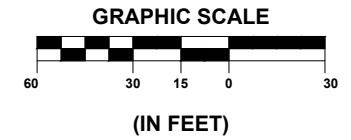
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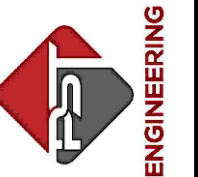
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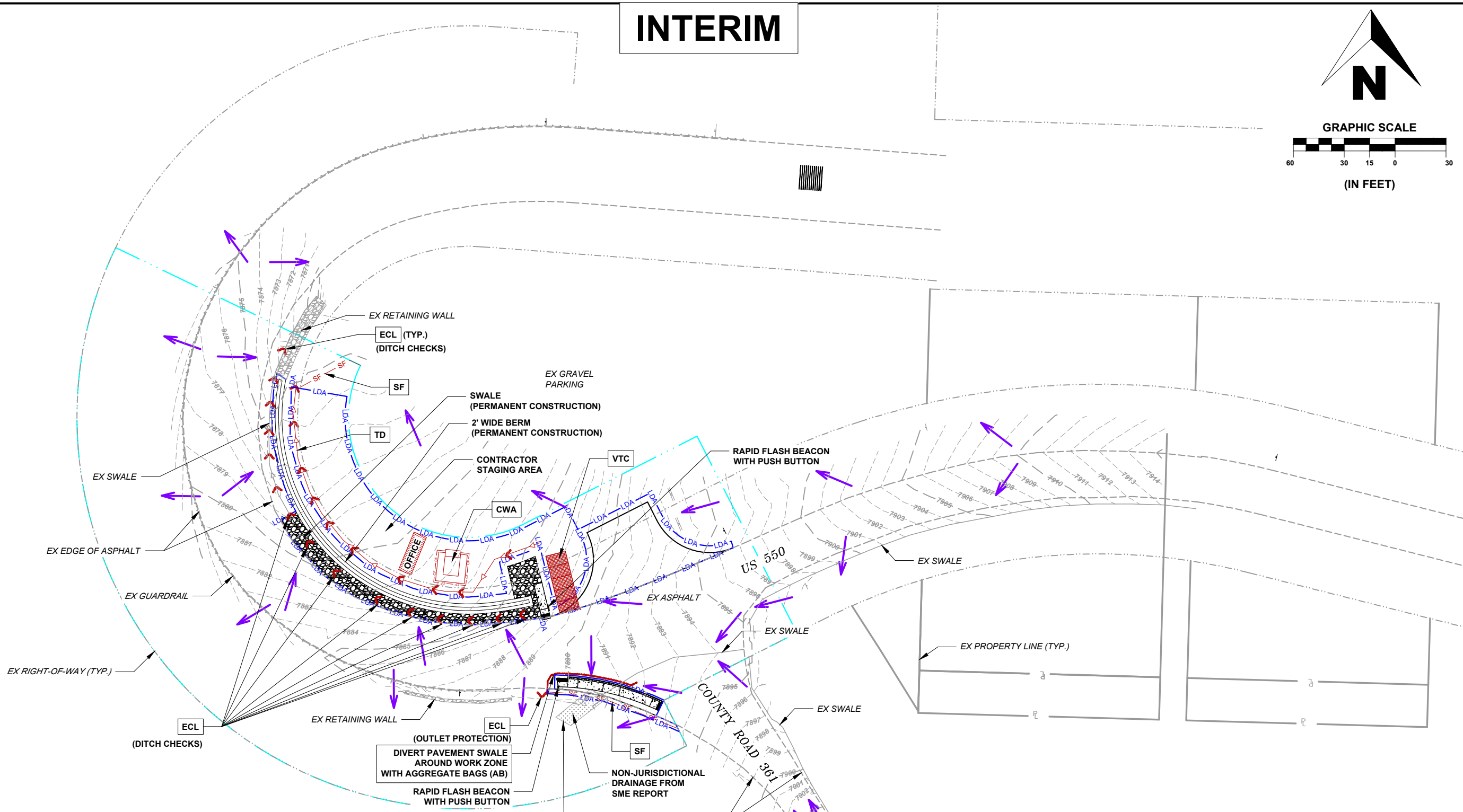


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PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
EROSION CONTROL PLAN
INTERIM 1



LEGEND

	LIMITS OF CONSTRUCTION		EROSION CONTROL LOGS TYPE 2 (8-INCH) (ECL) (PERIMETER CONTROL)
	LIMITS OF DISTURBED AREA		SILT FENCE (SF) (PERIMETER CONTROL)
	FLOW ARROW		AGGREGATE BAG (AB)
			EROSION CONTROL LOG, TYPE 2 (12-INCH) (ECL) (DITCH CHECKS)
			STORM DRAIN INLET PROTECTION (IP)
			TEMPORARY DIVERSION (TD)
	CONCRETE WASHOUT AREA (CWA)		PREFAB VEHICLE TRACKING CONTROL (VTC)

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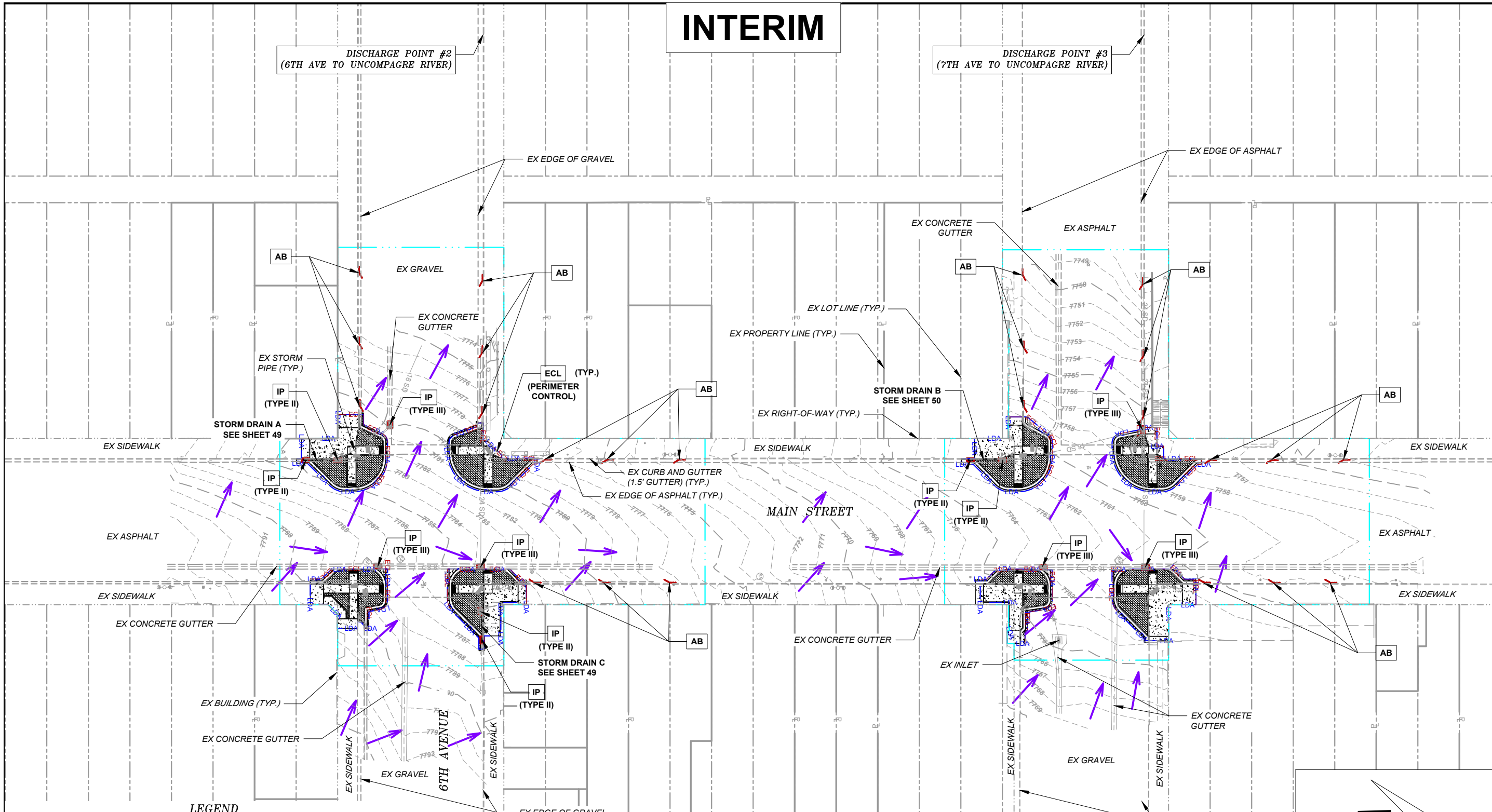


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DISCHARGE POINT #2
(6TH AVE TO UNCOMPAGRE RIVER)

DISCHARGE POINT #3
(7TH AVE TO UNCOMPAGRE RIVER)

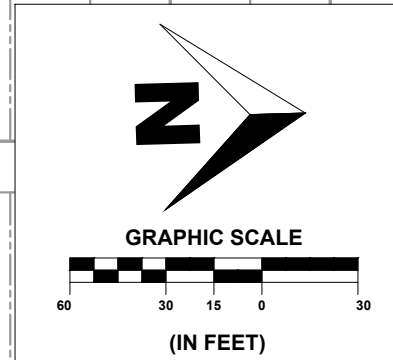


LEGEND

- LIMITS OF CONSTRUCTION
- LDA LIMITS OF DISTURBED AREA
- ← FLOW ARROW
- CONCRETE WASHOUT AREA (CWA)
- ECL EROSION CONTROL LOGS TYPE 2 (8-INCH) (ECL) (PERIMETER CONTROL)
- SF SILT FENCE (SF) (PERIMETER CONTROL)
- - - AGGREGATE BAG (AB)
- ∨ EROSION CONTROL LOG, TYPE 2 (12-INCH) (ECL) (DITCH CHECKS)
- STORM DRAIN INLET PROTECTION (IP)
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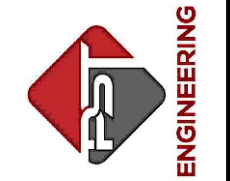
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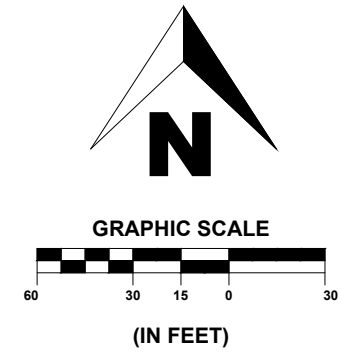
**PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
EROSION CONTROL PLAN
INTERIM 2**

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#	DATE	DESCRIPTION

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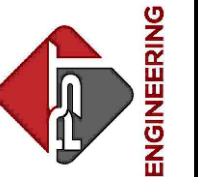
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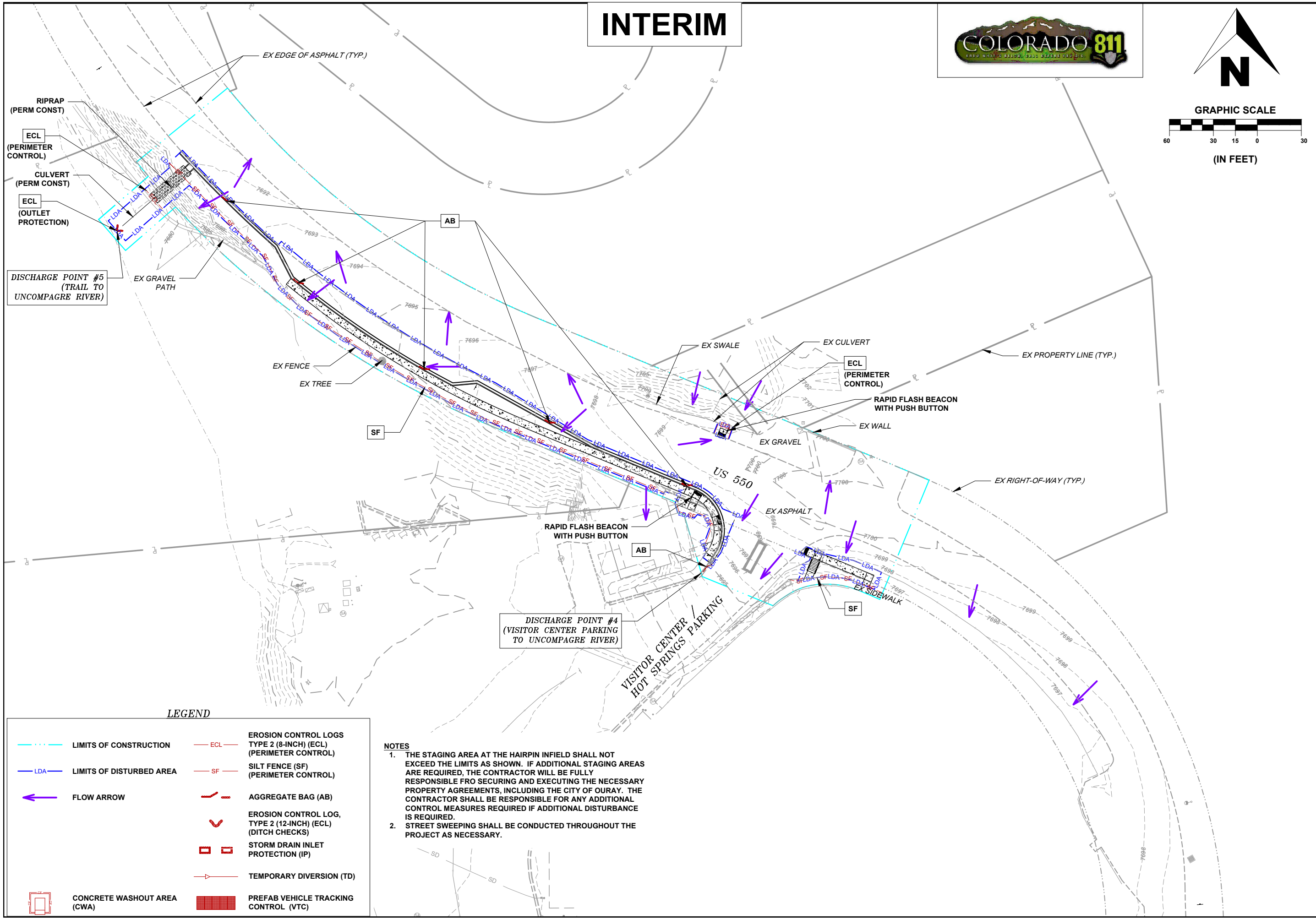


SHEET
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PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
EROSION CONTROL PLAN
INTERIM 3



LEGEND

	LIMITS OF CONSTRUCTION		EROSION CONTROL LOGS TYPE 2 (8-INCH) (ECL) (PERIMETER CONTROL)
	LIMITS OF DISTURBED AREA		SILT FENCE (SF) (PERIMETER CONTROL)
	FLOW ARROW		AGGREGATE BAG (AB)
	CONCRETE WASHOUT AREA (CWA)		EROSION CONTROL LOG, TYPE 2 (12-INCH) (ECL) (DITCH CHECKS)
	PREFAB VEHICLE TRACKING CONTROL (VTC)		STORM DRAIN INLET PROTECTION (IP)
			TEMPORARY DIVERSION (TD)

NOTES

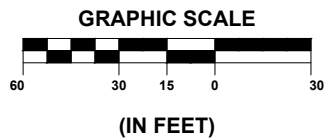
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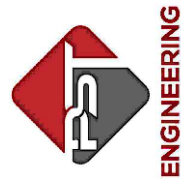
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FINAL



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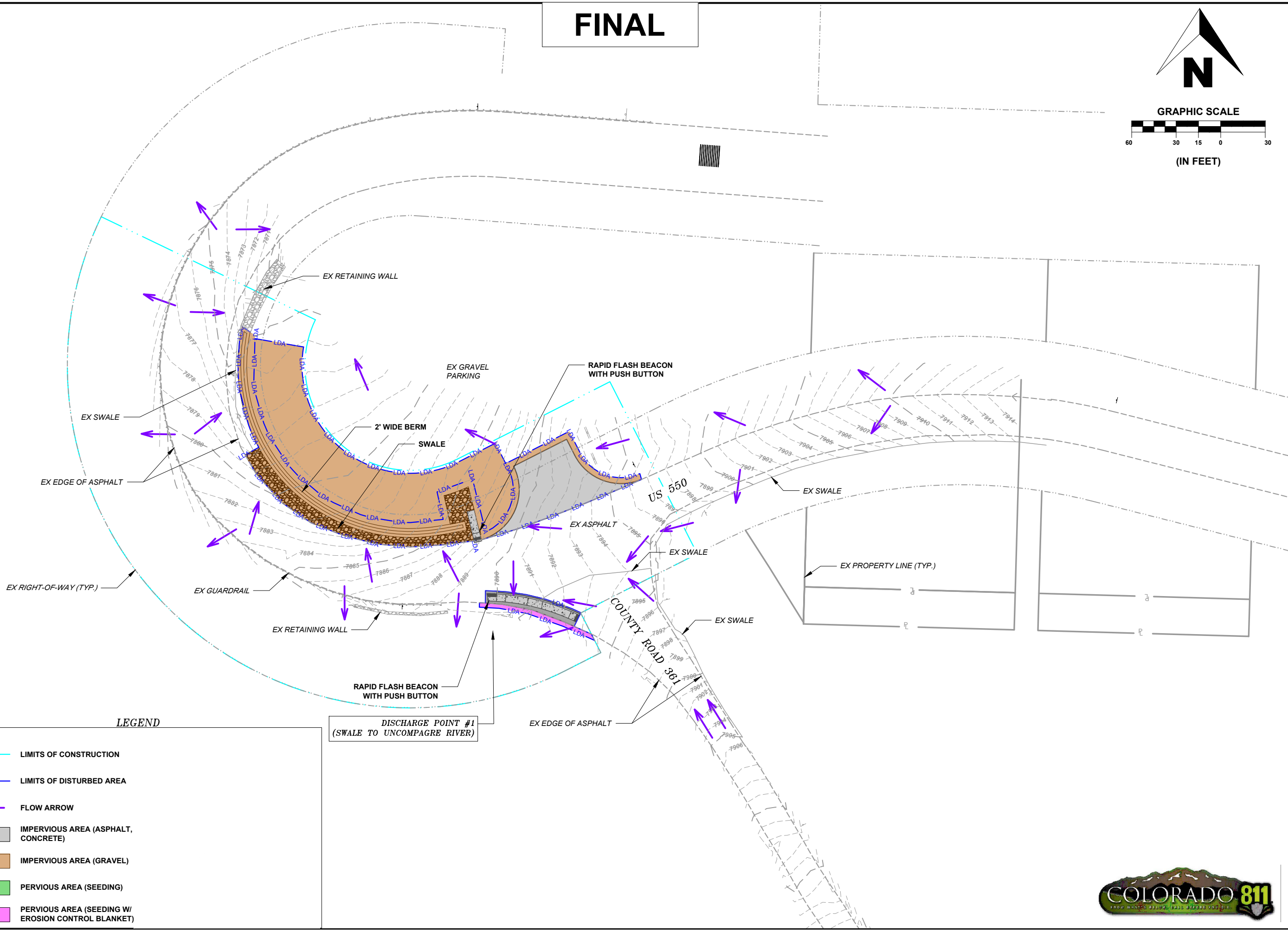
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MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
EROSION CONTROL PLAN
FINAL STABILIZATION 1

REVISIONS:

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LEGEND

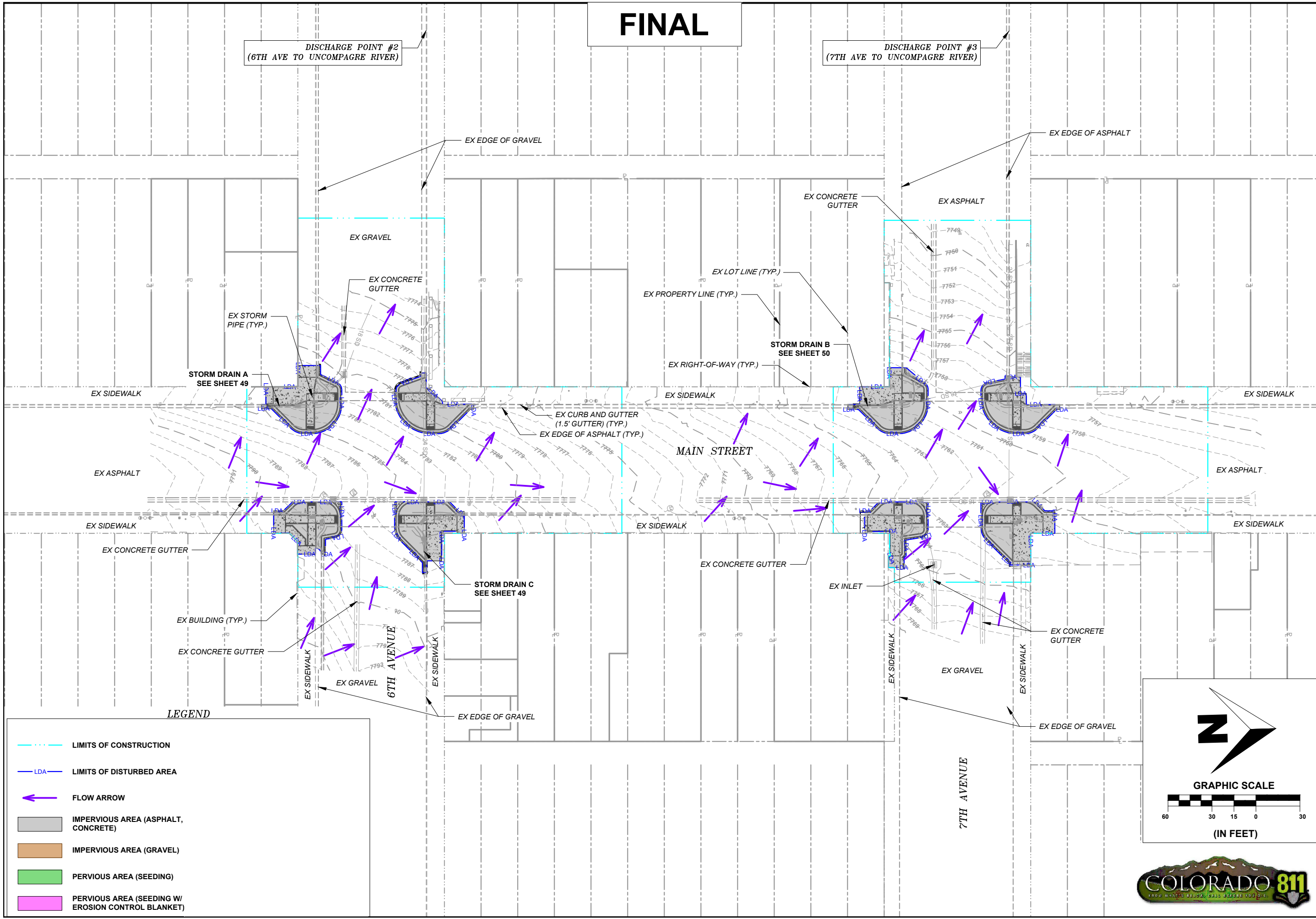
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- LDA LIMITS OF DISTURBED AREA
- ← FLOW ARROW
- IMPERVIOUS AREA (ASPHALT, CONCRETE)
- IMPERVIOUS AREA (GRAVEL)
- PERVIOUS AREA (SEEDING)
- PERVIOUS AREA (SEEDING W/ EROSION CONTROL BLANKET)



FINAL

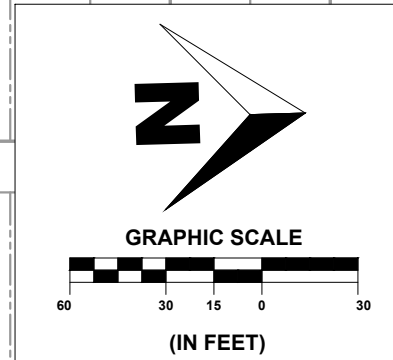
DISCHARGE POINT #2
(6TH AVE TO UNCOMPAGRE RIVER)

DISCHARGE POINT #3
(7TH AVE TO UNCOMPAGRE RIVER)



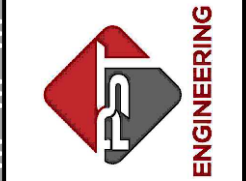
LEGEND

- LIMITS OF CONSTRUCTION
- LDA LIMITS OF DISTURBED AREA
- ← FLOW ARROW
- IMPERVIOUS AREA (ASPHALT, CONCRETE)
- IMPERVIOUS AREA (GRAVEL)
- PERVIOUS AREA (SEEDING)
- PERVIOUS AREA (SEEDING W/ EROSION CONTROL BLANKET)



SHEET
35
OF
65

PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492



**PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
EROSION CONTROL PLAN
FINAL STABILIZATION 2**

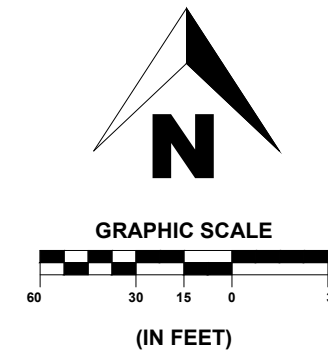
#	DATE	DESCRIPTION	SHEET

DATE: 11/14/2024
DRAWN BY: AM
CHECKED BY: SP

F.O.R. SET



FINAL



SHEET 36 OF 65

PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492

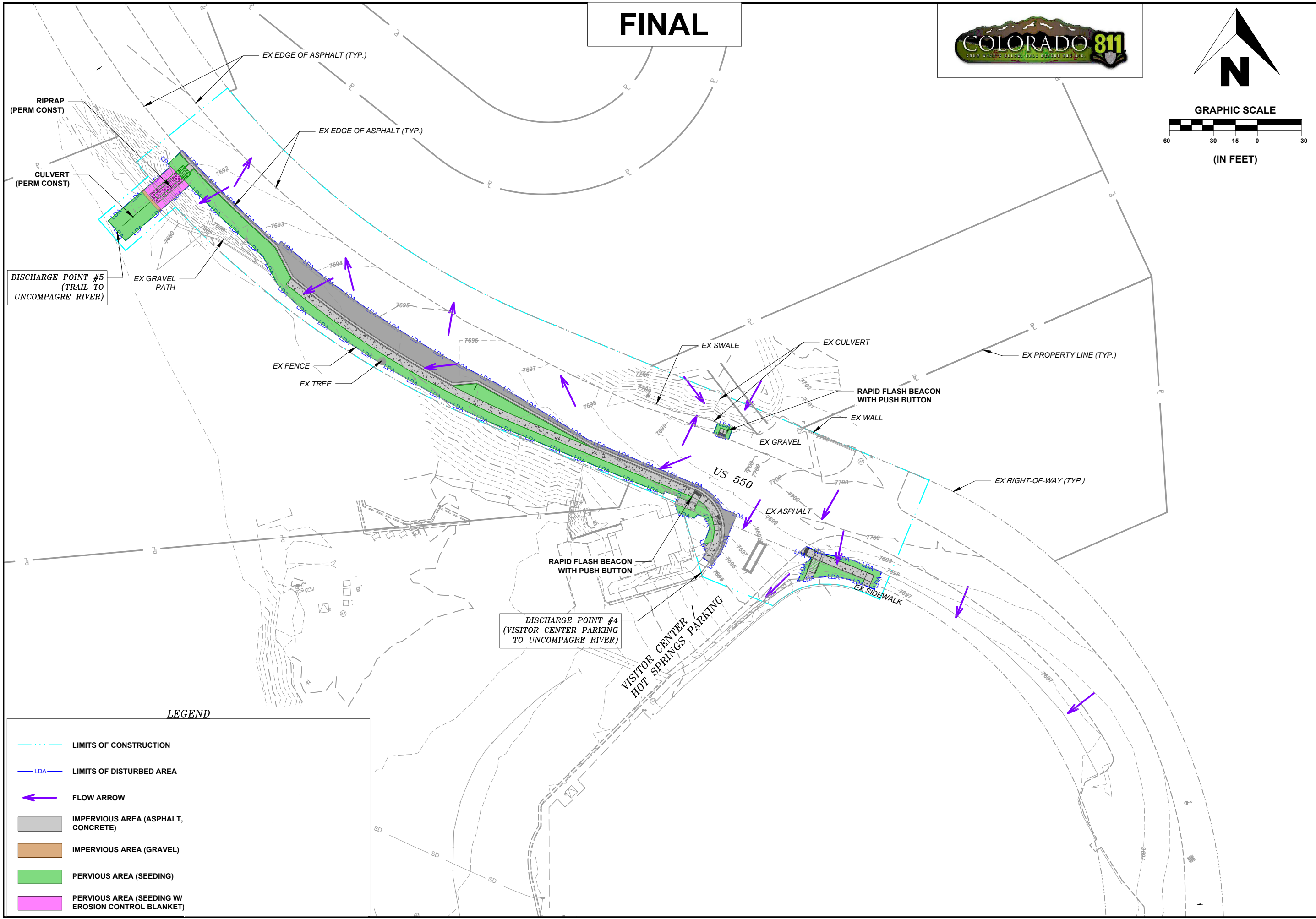


PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
EROSION CONTROL PLAN
FINAL STABILIZATION 3

REVISIONS:		SHEET
DATE	DESCRIPTION	
#		

DATE: 11/14/2024
DRAWN BY: AM
CHECKED BY: SP

F.O.R. SET

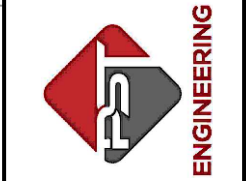


DISCHARGE POINT #5
(TRAIL TO UNCOMPAGRE RIVER)

DISCHARGE POINT #4
(VISITOR CENTER PARKING TO UNCOMPAGRE RIVER)

LEGEND

	LIMITS OF CONSTRUCTION
	LDA LIMITS OF DISTURBED AREA
	FLOW ARROW
	IMPERVIOUS AREA (ASPHALT, CONCRETE)
	IMPERVIOUS AREA (GRAVEL)
	PERVIOUS AREA (SEEDING)
	PERVIOUS AREA (SEEDING W/ EROSION CONTROL BLANKET)

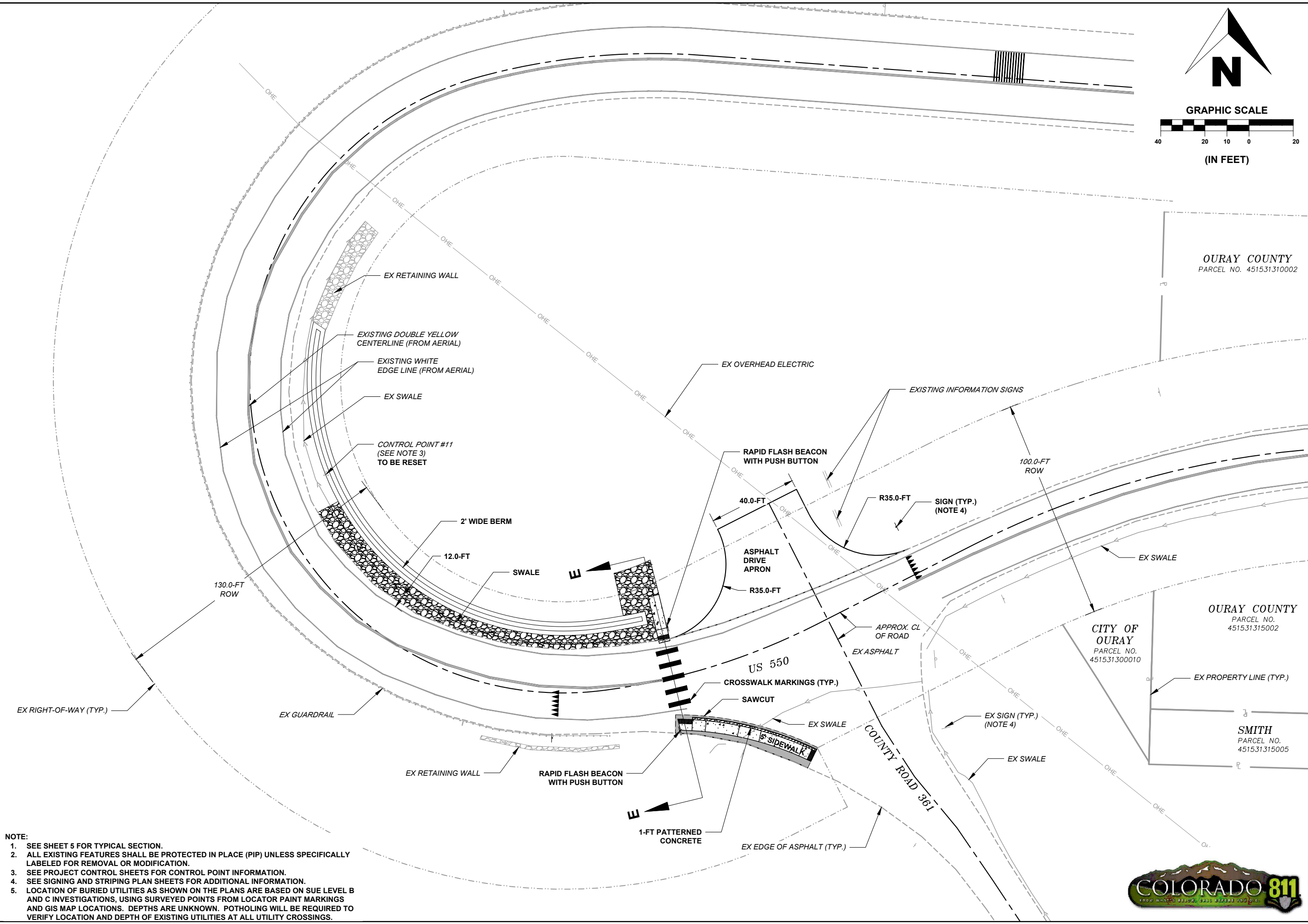
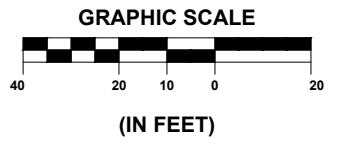


PROJECT NAME: OURAY
 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 SITE & UTILITY PLAN 1
 COUNTY ROAD 361

REVISIONS:		DATE	DESCRIPTION	SHEET
#				

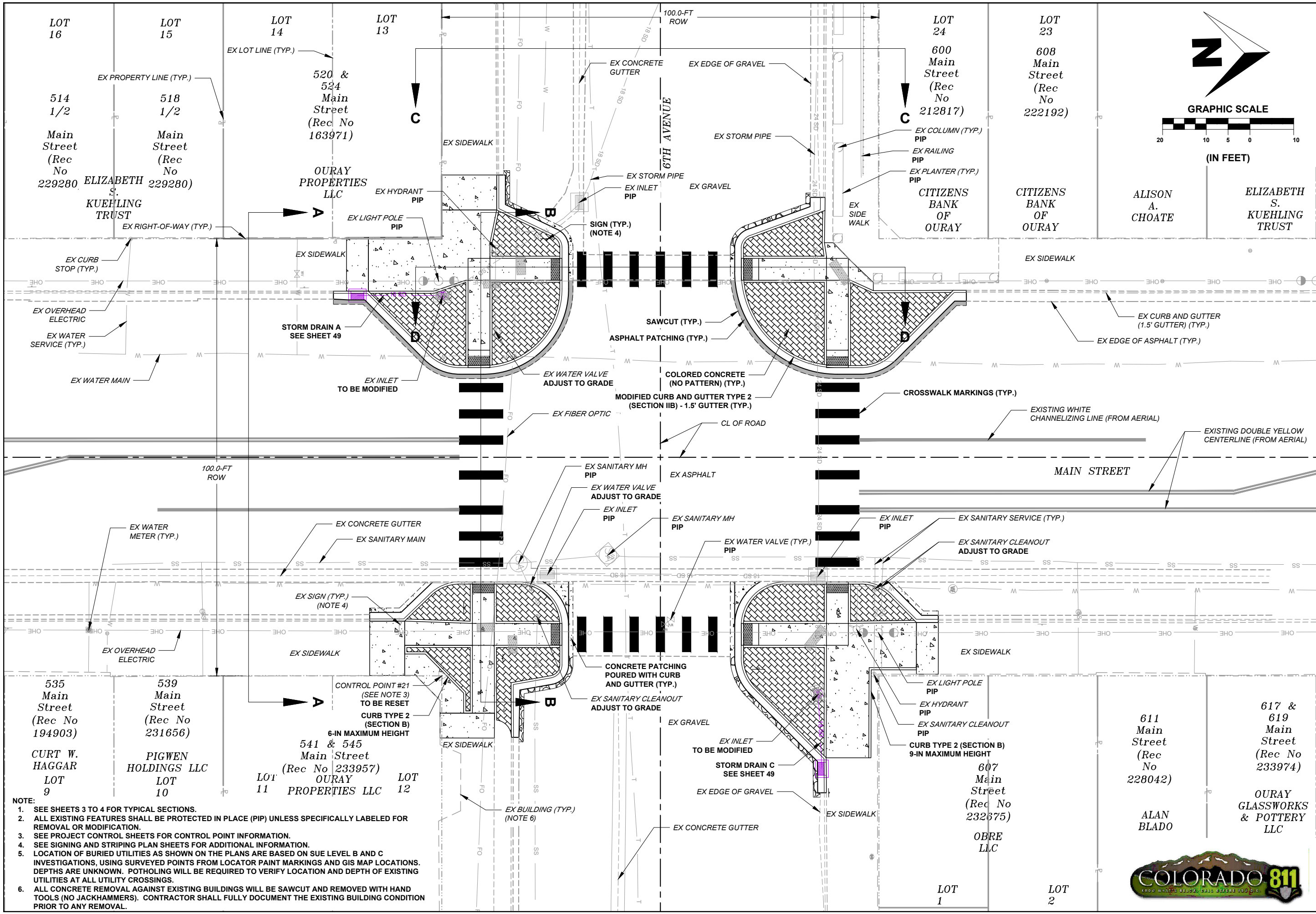
DATE: 11/14/2024
 DRAWN BY: AM
 CHECKED BY: SP

F.O.R. SET



- NOTE:
- SEE SHEET 5 FOR TYPICAL SECTION.
 - ALL EXISTING FEATURES SHALL BE PROTECTED IN PLACE (PIP) UNLESS SPECIFICALLY LABELED FOR REMOVAL OR MODIFICATION.
 - SEE PROJECT CONTROL SHEETS FOR CONTROL POINT INFORMATION.
 - SEE SIGNING AND STRIPING PLAN SHEETS FOR ADDITIONAL INFORMATION.
 - LOCATION OF BURIED UTILITIES AS SHOWN ON THE PLANS ARE BASED ON SUE LEVEL B AND C INVESTIGATIONS, USING SURVEYED POINTS FROM LOCATOR PAINT MARKINGS AND GIS MAP LOCATIONS. DEPTHS ARE UNKNOWN. POTHOLING WILL BE REQUIRED TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES AT ALL UTILITY CROSSINGS.





SHEET
38 OF 65

PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492

ENGINEERING

**PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
SITE & UTILITY PLAN 2
6TH AVENUE**

REVISIONS:

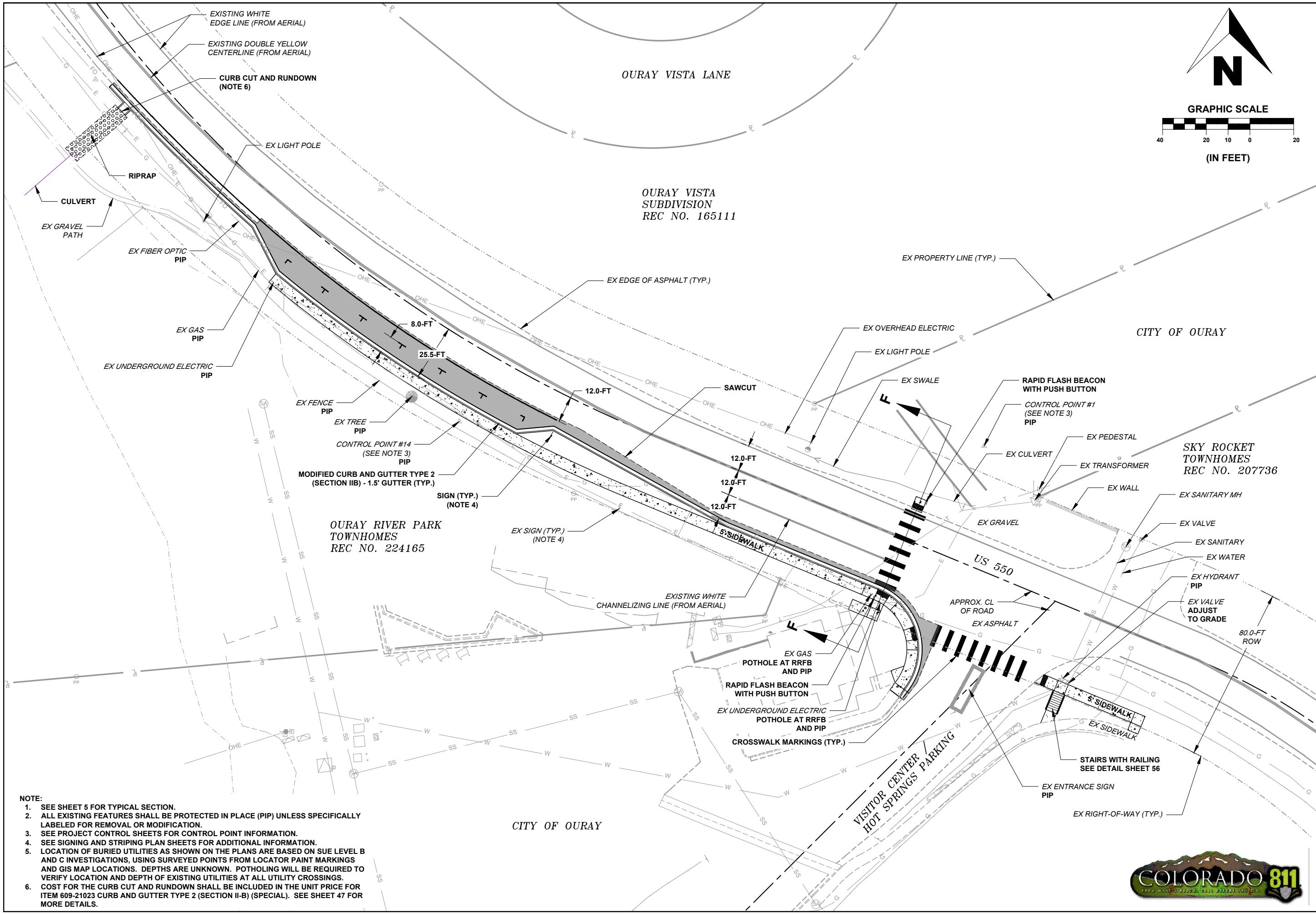
#	DATE	DESCRIPTION	SHEET

DATE: 11/14/2024
DRAWN BY: AM
CHECKED BY: SP

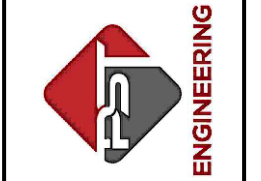
F.O.R. SET

- NOTE:**
- SEE SHEETS 3 TO 4 FOR TYPICAL SECTIONS.
 - ALL EXISTING FEATURES SHALL BE PROTECTED IN PLACE (PIP) UNLESS SPECIFICALLY LABELED FOR REMOVAL OR MODIFICATION.
 - SEE PROJECT CONTROL SHEETS FOR CONTROL POINT INFORMATION.
 - SEE SIGNING AND STRIPING PLAN SHEETS FOR ADDITIONAL INFORMATION.
 - LOCATION OF BURIED UTILITIES AS SHOWN ON THE PLANS ARE BASED ON SUE LEVEL B AND C INVESTIGATIONS, USING SURVEYED POINTS FROM LOCATOR PAINT MARKINGS AND GIS MAP LOCATIONS. DEPTHS ARE UNKNOWN. POTHOLES WILL BE REQUIRED TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES AT ALL UTILITY CROSSINGS.
 - ALL CONCRETE REMOVAL AGAINST EXISTING BUILDINGS WILL BE SAWCUT AND REMOVED WITH HAND TOOLS (NO JACKHAMMERS). CONTRACTOR SHALL FULLY DOCUMENT THE EXISTING BUILDING CONDITION PRIOR TO ANY REMOVAL.





PST ENGINEERING, LLC
 2615 MAIN AVE. SUITE 209
 DURANGO, CO 81301
 970-403-5492



PROJECT NAME: OURAY
 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 SITE & UTILITY PLAN 4
 VISITOR CENTER

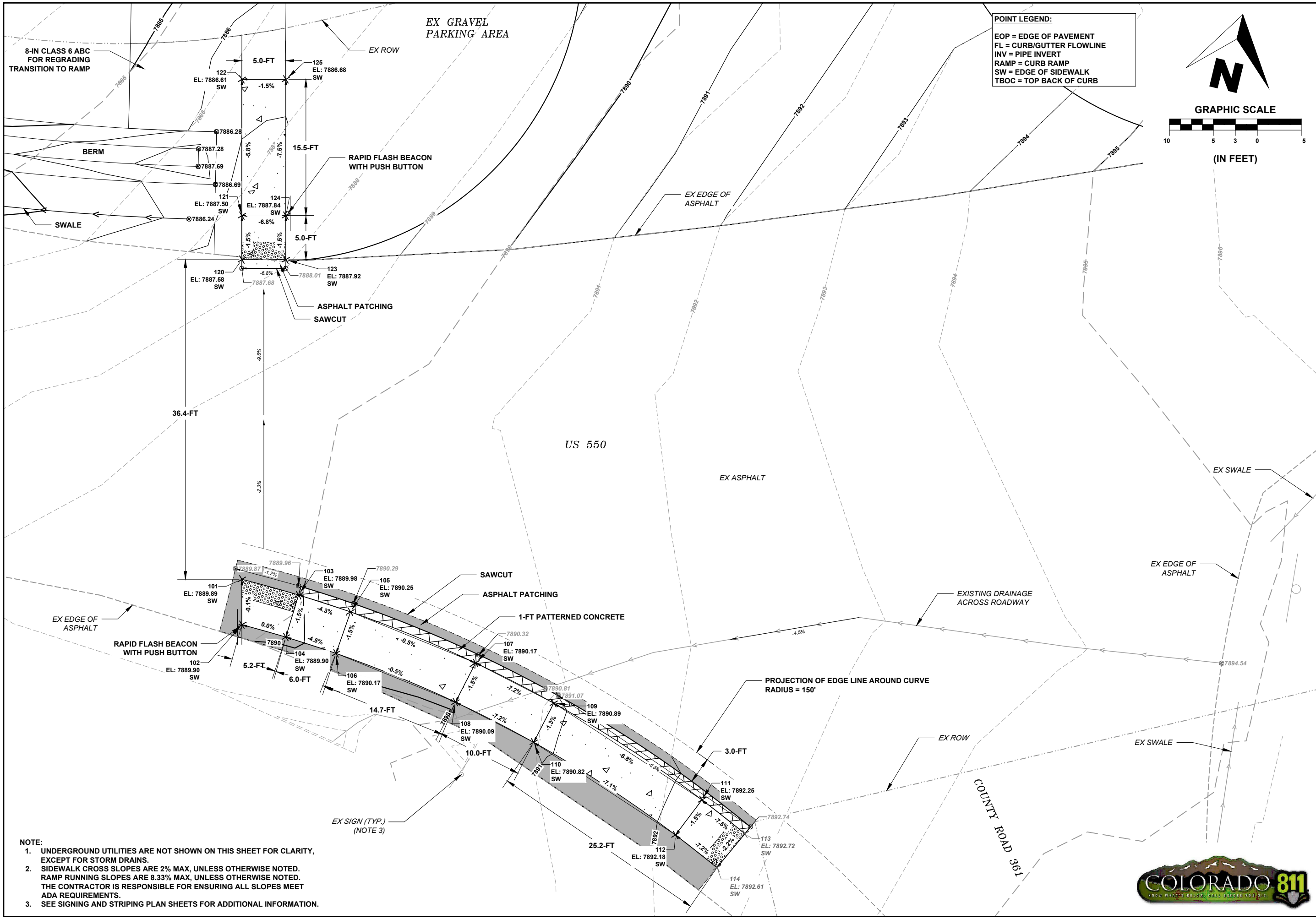
REVISIONS:		SHEET
#	DATE	DESCRIPTION

DATE: 11/14/2024
 DRAWN BY: AM
 CHECKED BY: SP

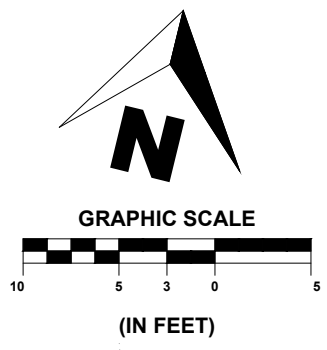
F.O.R. SET

- NOTE:
- SEE SHEET 5 FOR TYPICAL SECTION.
 - ALL EXISTING FEATURES SHALL BE PROTECTED IN PLACE (PIP) UNLESS SPECIFICALLY LABELED FOR REMOVAL OR MODIFICATION.
 - SEE PROJECT CONTROL SHEETS FOR CONTROL POINT INFORMATION.
 - SEE SIGNING AND STRIPING PLAN SHEETS FOR ADDITIONAL INFORMATION.
 - LOCATION OF BURIED UTILITIES AS SHOWN ON THE PLANS ARE BASED ON SUE LEVEL B AND C INVESTIGATIONS, USING SURVEYED POINTS FROM LOCATOR PAINT MARKINGS AND GIS MAP LOCATIONS. DEPTHS ARE UNKNOWN. POTHOLES WILL BE REQUIRED TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES AT ALL UTILITY CROSSINGS. COST FOR THE CURB CUT AND RUNDOWN SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 609-21023 CURB AND GUTTER TYPE 2 (SECTION II-B) (SPECIAL). SEE SHEET 47 FOR MORE DETAILS.



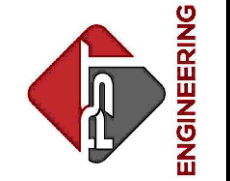


POINT LEGEND:
 EOP = EDGE OF PAVEMENT
 FL = CURB/GUTTER FLOWLINE
 INV = PIPE INVERT
 RAMP = CURB RAMP
 SW = EDGE OF SIDEWALK
 TBOC = TOP BACK OF CURB



SHEET
41 OF **65**

PST ENGINEERING, LLC
 2615 MAIN AVE. SUITE 209
 DURANGO, CO 81301
 970-403-5492



**PROJECT NAME: OURAY
 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 DETAILED GRADING 1
 COUNTY ROAD 361**

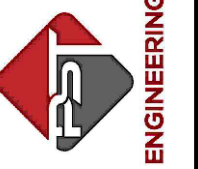
REVISIONS:		SHEET
DATE	DESCRIPTION	
#		

DATE: 11/14/2024
 DRAWN BY: AM
 CHECKED BY: SP

- NOTE:**
1. UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS SHEET FOR CLARITY, EXCEPT FOR STORM DRAINS.
 2. SIDEWALK CROSS SLOPES ARE 2% MAX, UNLESS OTHERWISE NOTED. RAMP RUNNING SLOPES ARE 8.33% MAX, UNLESS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL SLOPES MEET ADA REQUIREMENTS.
 3. SEE SIGNING AND STRIPING PLAN SHEETS FOR ADDITIONAL INFORMATION.



F.O.R. SET



PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
6TH AVENUE - WEST RAMPS

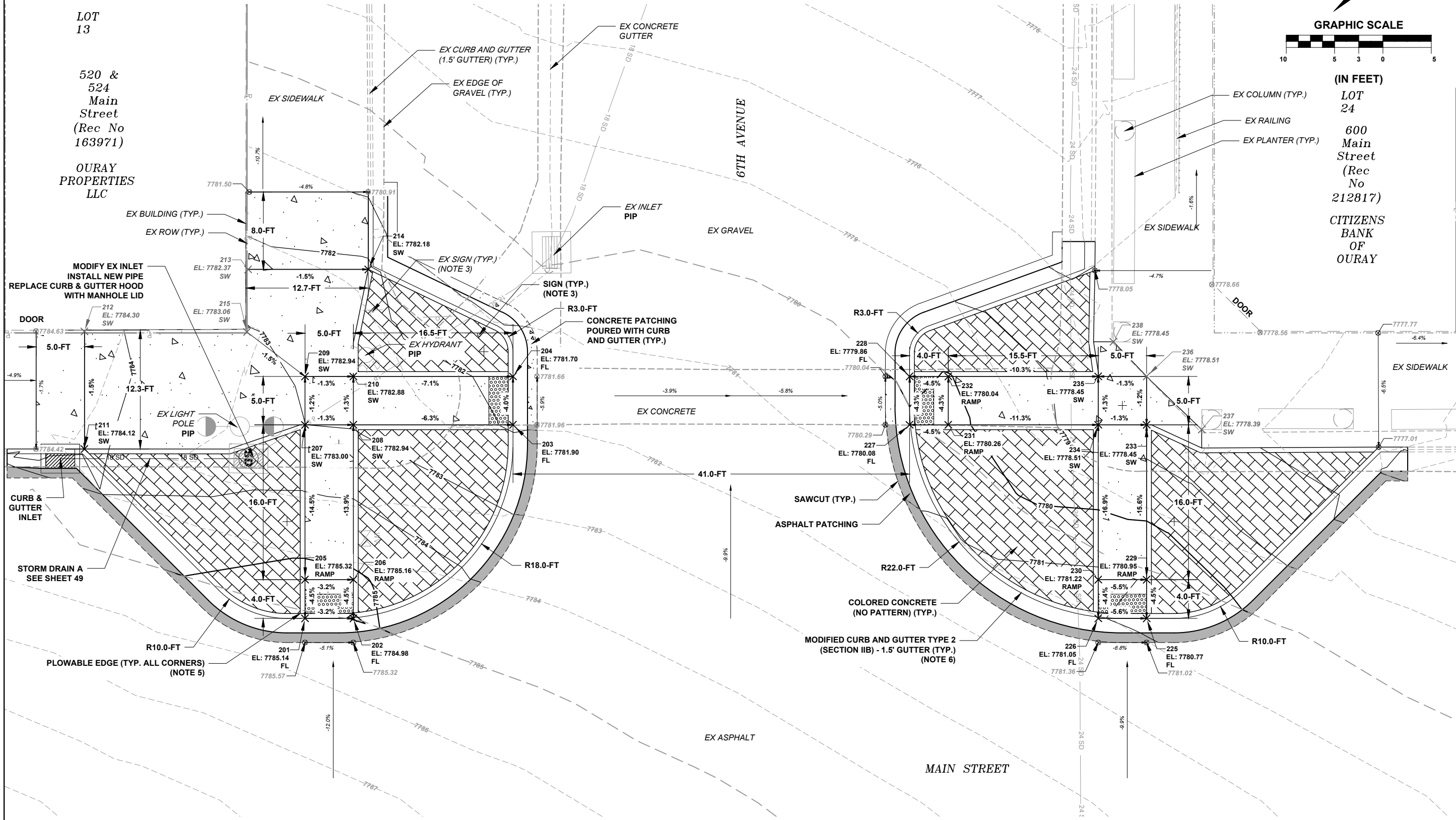
REVISIONS:		SHEET
DATE	DESCRIPTION	
#		

DATE: 11/14/2024
DRAWN BY: AM
CHECKED BY: SP

F.O.R. SET

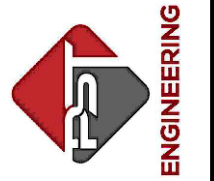


(IN FEET)
LOT
24
600
Main
Street
(Rec
No
212817)
CITIZENS
BANK
OF
OURAY



- NOTE:
1. UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS SHEET FOR CLARITY, EXCEPT FOR STORM DRAINS.
 2. SIDEWALK CROSS SLOPES ARE 2% MAX, UNLESS OTHERWISE NOTED. RAMP RUNNING SLOPES ARE 8.33% MAX, UNLESS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL SLOPES MEET ADA REQUIREMENTS.
 3. SEE SIGNING AND STRIPING PLAN SHEETS FOR ADDITIONAL INFORMATION.
 4. SEE SHEET 41 FOR POINT LEGEND.
 5. CURB RAMP CORNERS SHALL BE INSTALLED WITH A PLOWABLE EDGE SEE SHEETS 55 FOR DETAILS.
 6. GUTTER PAN CROSS SLOPE SHALL BE 4.17% IN THE DOWNTOWN AREA.



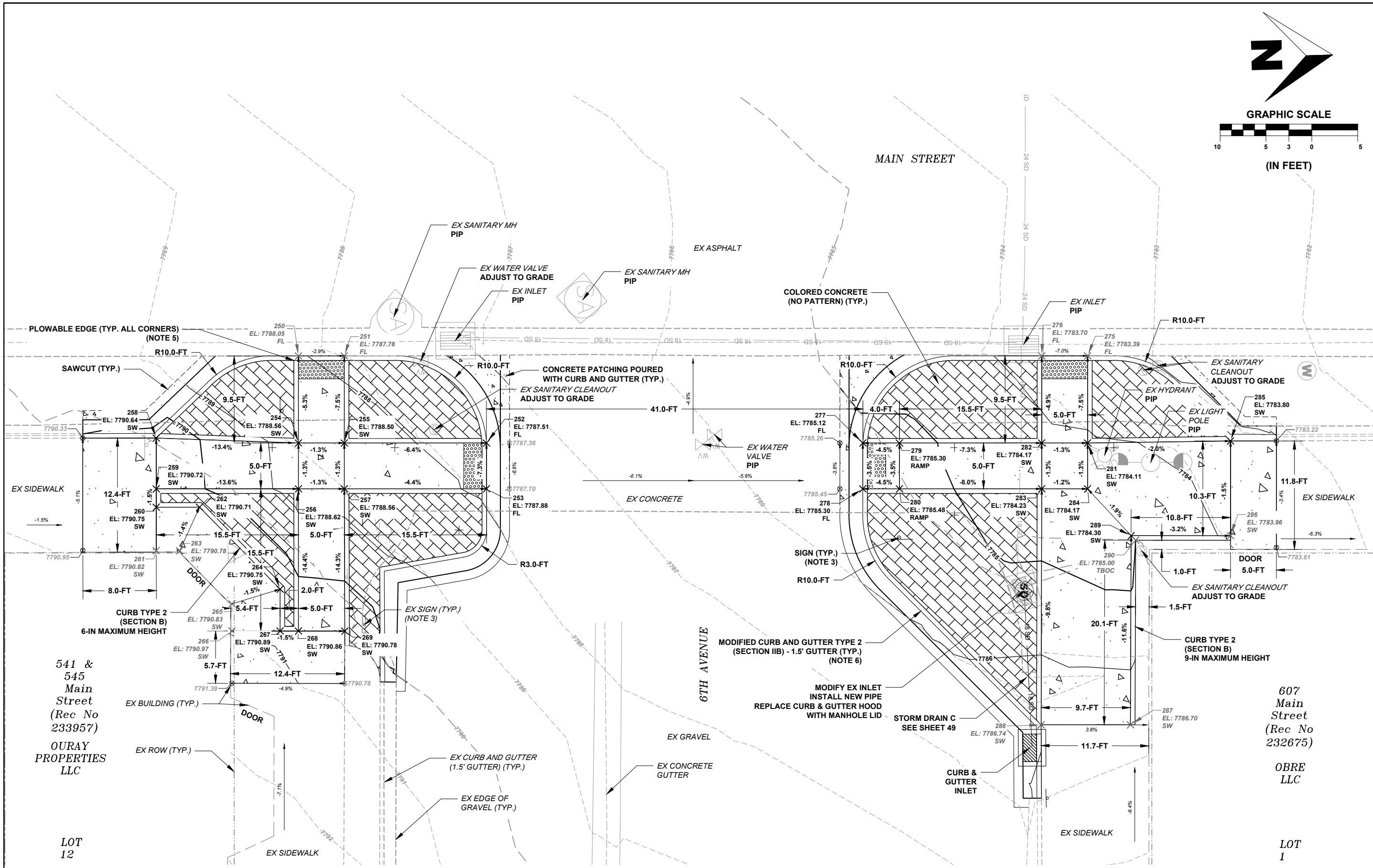
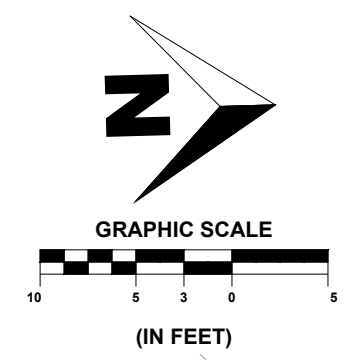


PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
DETAILED GRADING 3
6TH AVENUE - EAST RAMPS

REVISIONS:		SHEET
DATE	DESCRIPTION	
#		

DATE: 11/14/2024
DRAWN BY: AM
CHECKED BY: SP

F.O.R. SET

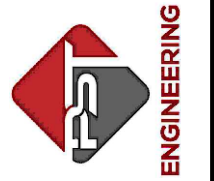


541 &
545
Main
Street
(Rec No
233957)
OURAY
PROPERTIES
LLC

607
Main
Street
(Rec No
232675)
OBRE
LLC

- NOTE:
1. UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS SHEET FOR CLARITY, EXCEPT FOR STORM DRAINS.
 2. SIDEWALK CROSS SLOPES ARE 2% MAX, UNLESS OTHERWISE NOTED. RAMP RUNNING SLOPES ARE 8.33% MAX, UNLESS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL SLOPES MEET ADA REQUIREMENTS.
 3. SEE SIGNING AND STRIPING PLAN SHEETS FOR ADDITIONAL INFORMATION.
 4. SEE SHEET 41 FOR POINT LEGEND.
 5. CURB RAMP CORNERS SHALL BE INSTALLED WITH A PLOWABLE EDGE SEE SHEETS 55 FOR DETAILS.
 6. GUTTER PAN CROSS SLOPE SHALL BE 4.17% IN THE DOWNTOWN AREA.



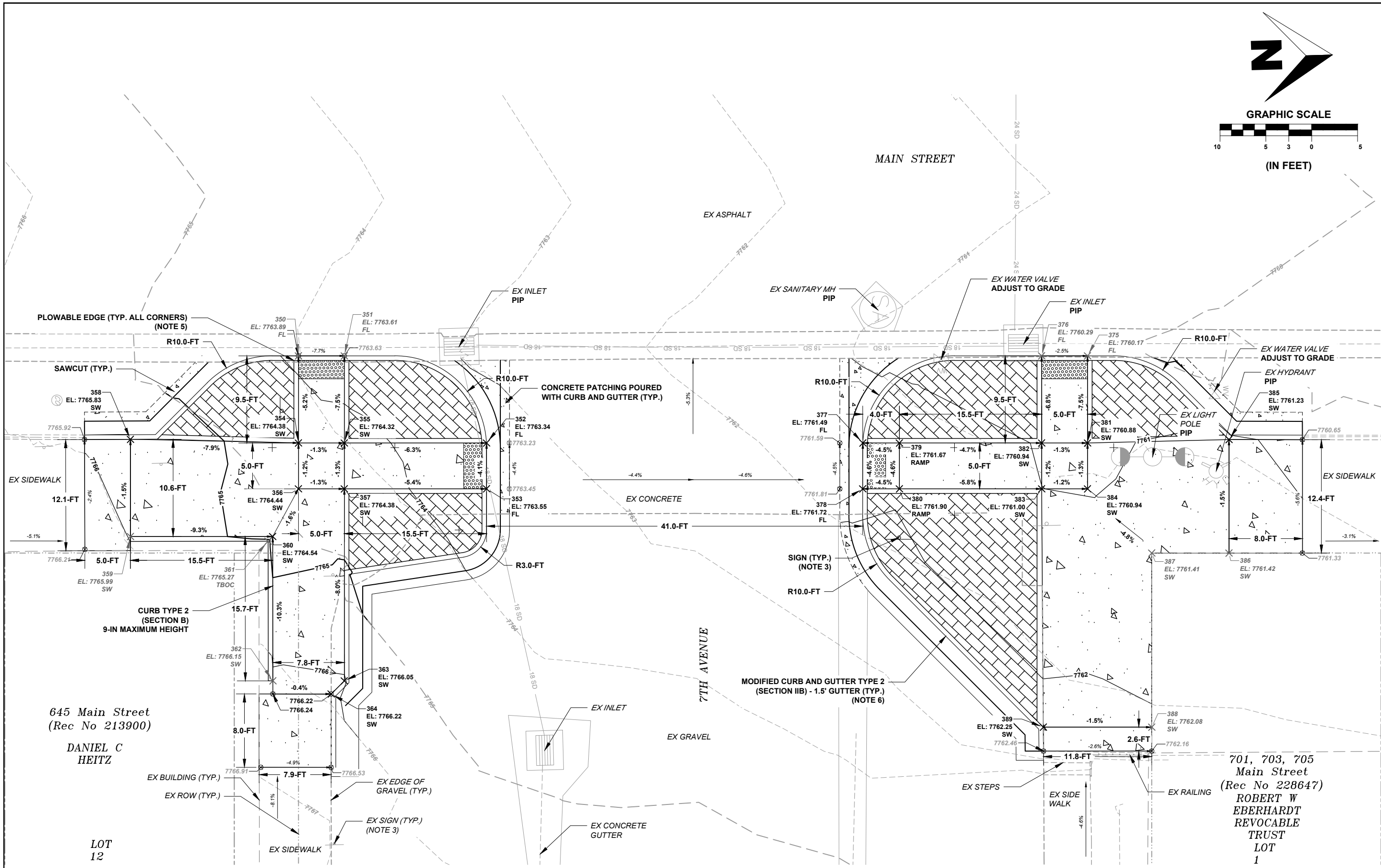
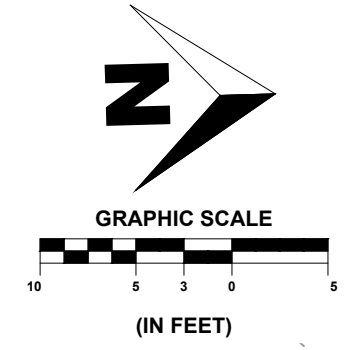


PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
DETAILED GRADING 5
7TH AVENUE - EAST RAMPS

REVISIONS:		SHEET
#	DATE	DESCRIPTION

DATE: 11/14/2024
DRAWN BY: AM
CHECKED BY: SP

F.O.R. SET



645 Main Street
(Rec No 213900)

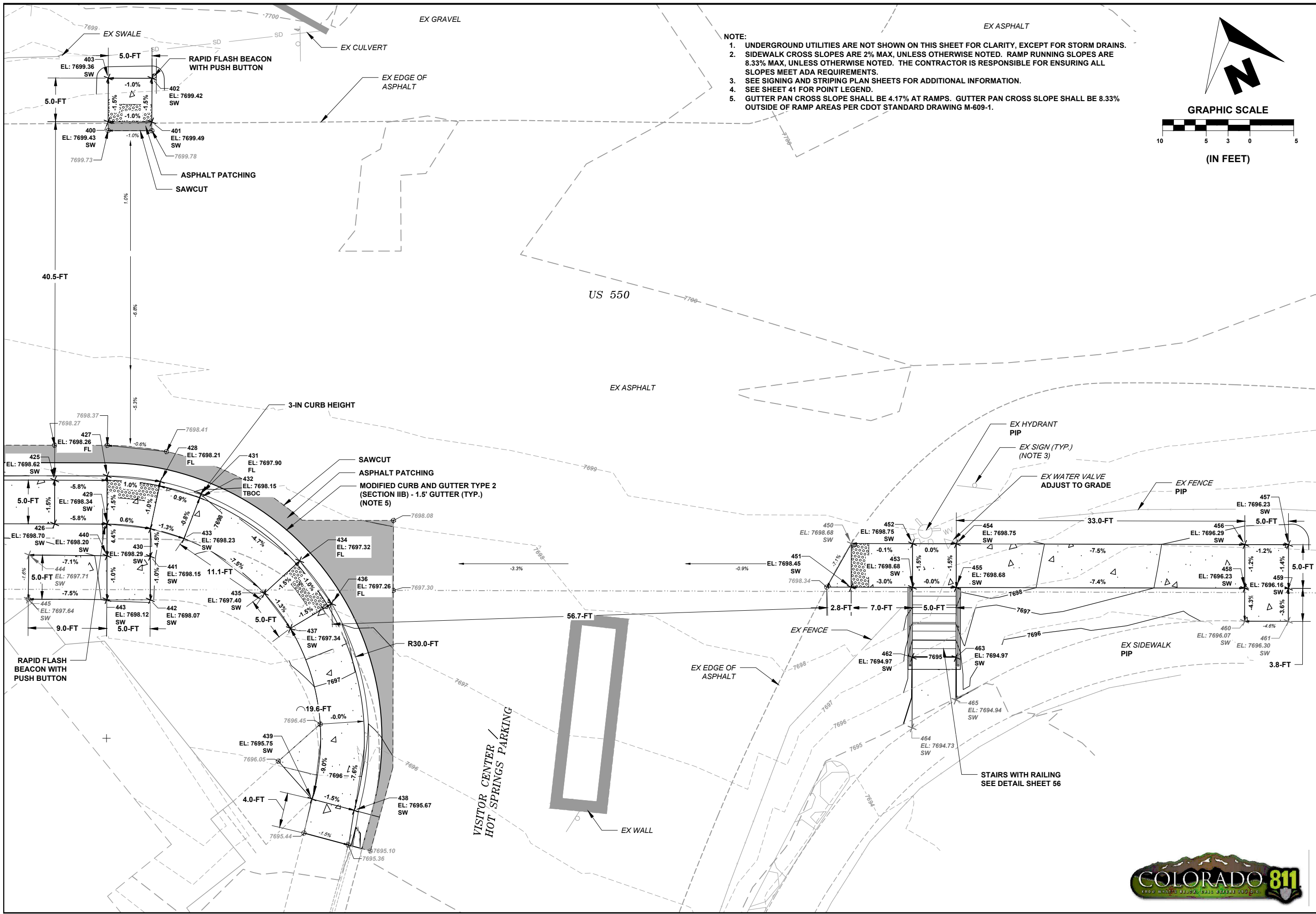
DANIEL C
HEITZ

LOT
12

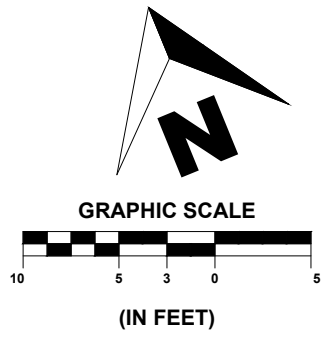
701, 703, 705
Main Street
(Rec No 228647)
ROBERT W
EBERHARDT
REVOCABLE
TRUST
LOT
1

- NOTE:
1. UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS SHEET FOR CLARITY, EXCEPT FOR STORM DRAINS.
 2. SIDEWALK CROSS SLOPES ARE 2% MAX, UNLESS OTHERWISE NOTED. RAMP RUNNING SLOPES ARE 8.33% MAX, UNLESS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL SLOPES MEET ADA REQUIREMENTS.
 3. SEE SIGNING AND STRIPING PLAN SHEETS FOR ADDITIONAL INFORMATION.
 4. SEE SHEET 41 FOR POINT LEGEND.
 5. CURB RAMP CORNERS SHALL BE INSTALLED WITH A PLOWABLE EDGE SEE SHEETS 55 FOR DETAILS.
 6. GUTTER PAN CROSS SLOPE SHALL BE 4.17% IN THE DOWNTOWN AREA.



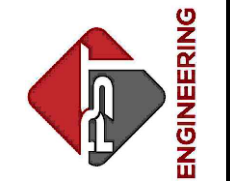


- NOTE:
1. UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS SHEET FOR CLARITY, EXCEPT FOR STORM DRAINS.
 2. SIDEWALK CROSS SLOPES ARE 2% MAX, UNLESS OTHERWISE NOTED. RAMP RUNNING SLOPES ARE 8.33% MAX, UNLESS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL SLOPES MEET ADA REQUIREMENTS.
 3. SEE SIGNING AND STRIPING PLAN SHEETS FOR ADDITIONAL INFORMATION.
 4. SEE SHEET 41 FOR POINT LEGEND.
 5. GUTTER PAN CROSS SLOPE SHALL BE 4.17% AT RAMPS. GUTTER PAN CROSS SLOPE SHALL BE 8.33% OUTSIDE OF RAMP AREAS PER CDOT STANDARD DRAWING M-609-1.



SHEET
46
OF
65

PST ENGINEERING, LLC
2615 MAIN AVE, SUITE 209
DURANGO, CO 81301
970-403-5492



PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
DETAILED GRADING 6
VISITOR CENTER

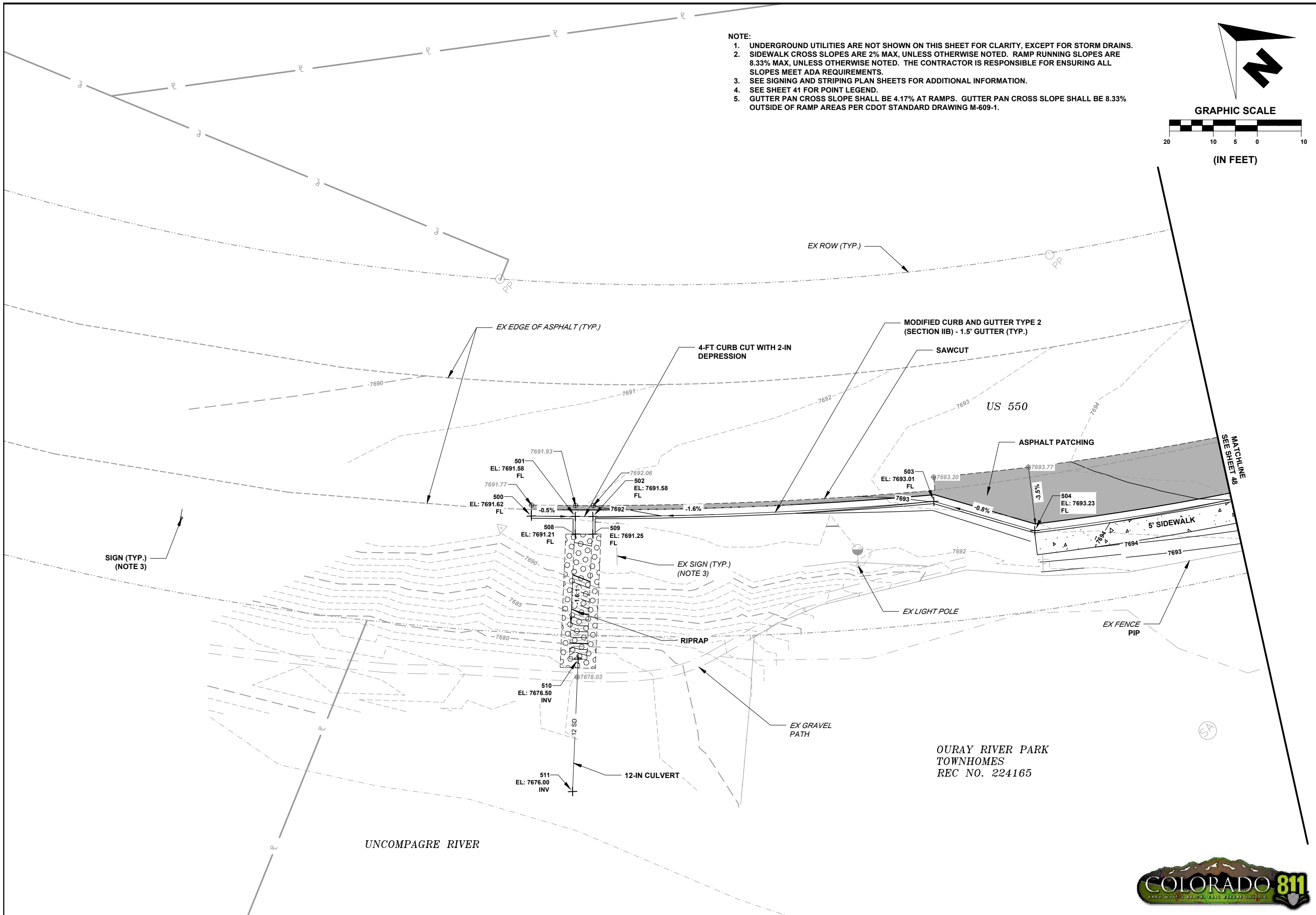
REVISIONS:

#	DATE	DESCRIPTION	SHEET

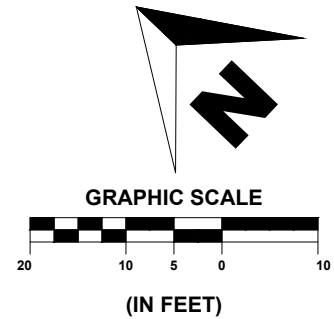
DATE: 11/14/2024
DRAWN BY: AM
CHECKED BY: SP

F.O.R. SET



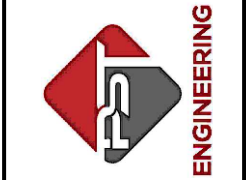


- NOTE:**
1. UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS SHEET FOR CLARITY, EXCEPT FOR STORM DRAINS.
 2. SIDEWALK CROSS SLOPES ARE 2% MAX, UNLESS OTHERWISE NOTED. RAMP RUNNING SLOPES ARE 8.33% MAX, UNLESS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL SLOPES MEET ADA REQUIREMENTS.
 3. SEE SIGNING AND STRIPING PLAN SHEETS FOR ADDITIONAL INFORMATION.
 4. SEE SHEET 41 FOR POINT LEGEND.
 5. GUTTER PAN CROSS SLOPE SHALL BE 4.17% AT RAMPS. GUTTER PAN CROSS SLOPE SHALL BE 8.33% OUTSIDE OF RAMP AREAS PER CDOT STANDARD DRAWING M-609-1.



SHEET
47 OF **65**

PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492



**PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
DETAILED GRADING 7
PARKING AREA 1**

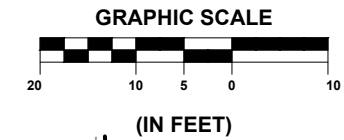
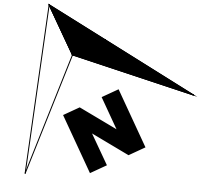
REVISIONS:		SHEET
#	DATE	DESCRIPTION

DATE: 11/14/2024
DRAWN BY: AM
CHECKED BY: SP

F.O.R. SET



- NOTE:
1. UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS SHEET FOR CLARITY, EXCEPT FOR STORM DRAINS.
 2. SIDEWALK CROSS SLOPES ARE 2% MAX, UNLESS OTHERWISE NOTED. RAMP RUNNING SLOPES ARE 8.33% MAX, UNLESS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL SLOPES MEET ADA REQUIREMENTS.
 3. SEE SIGNING AND STRIPING PLAN SHEETS FOR ADDITIONAL INFORMATION.
 4. SEE SHEET 41 FOR POINT LEGEND.
 5. GUTTER PAN CROSS SLOPE SHALL BE 4.17% AT RAMPS. GUTTER PAN CROSS SLOPE SHALL BE 8.33% OUTSIDE OF RAMP AREAS PER CDOT STANDARD DRAWING M-609-1.



SHEET
48 OF 65

PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-6492

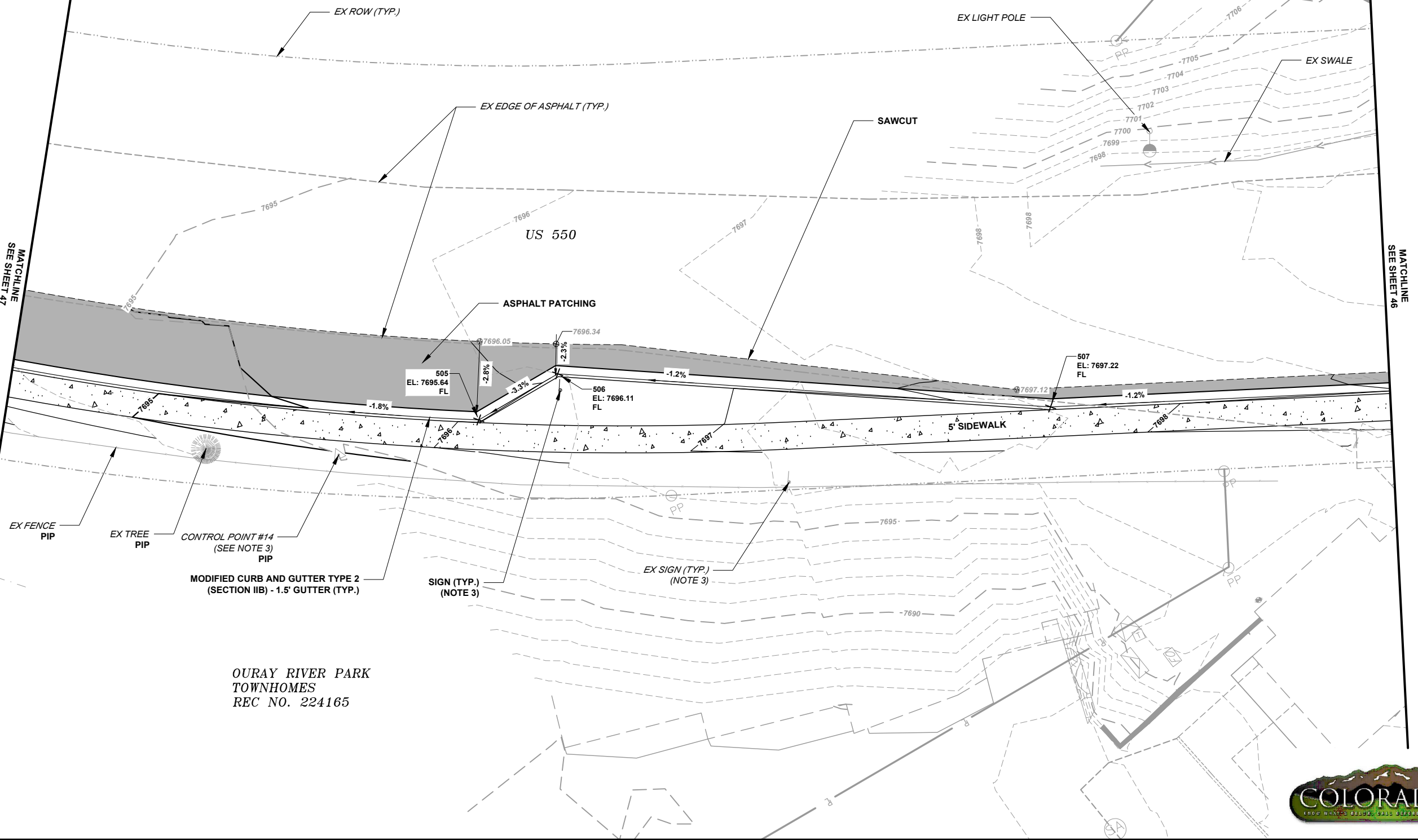


PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
DETAILED GRADING 8
PARKING AREA 2

REVISIONS:		SHEET
#	DATE	DESCRIPTION

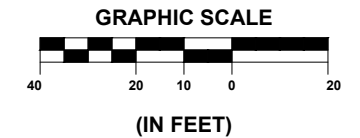
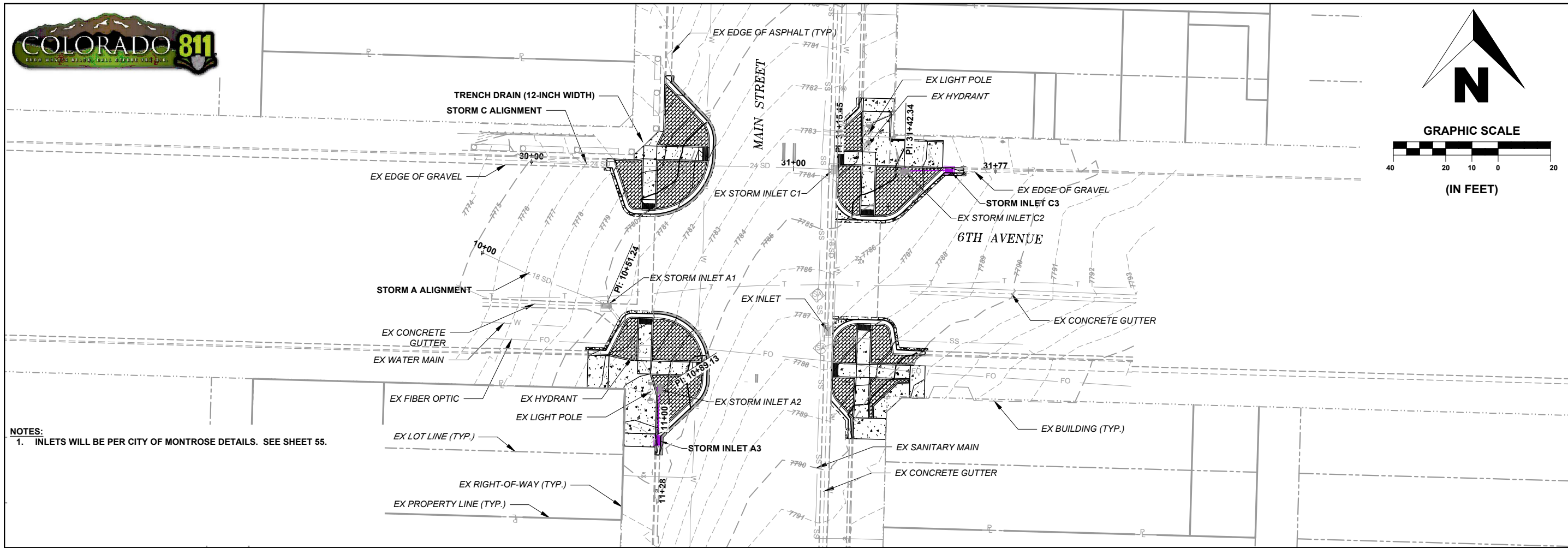
DATE: 11/14/2024
DRAWN BY: AM
CHECKED BY: SP

F.O.R. SET



OURAY RIVER PARK
TOWNHOMES
REC NO. 224165

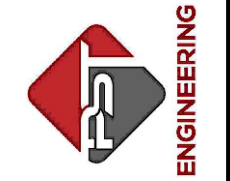




NOTES:
1. INLETS WILL BE PER CITY OF MONTROSE DETAILS. SEE SHEET 55.

SHEET
49 OF 65

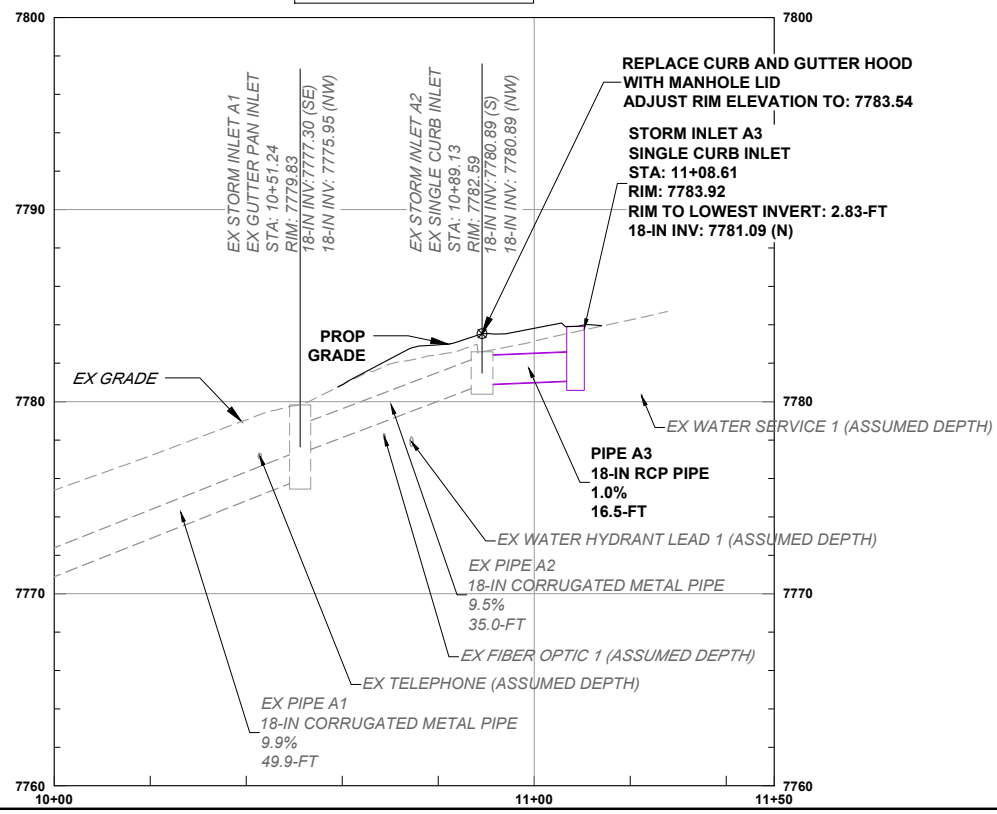
PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492



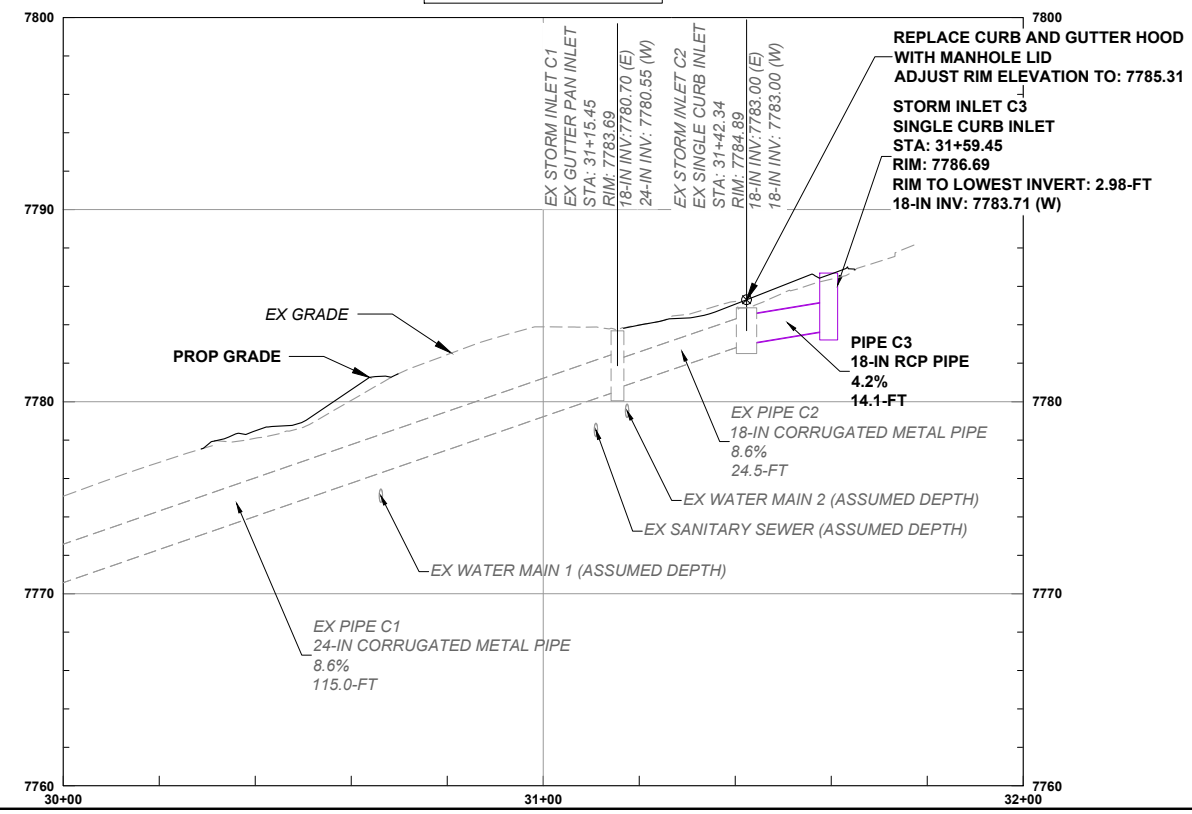
PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
STORM P-PRO 1
6TH AVENUE

PROFILE VERTICAL EXAGGERATION: 4X

PROFILE VIEW OF STORM A



PROFILE VIEW OF STORM C

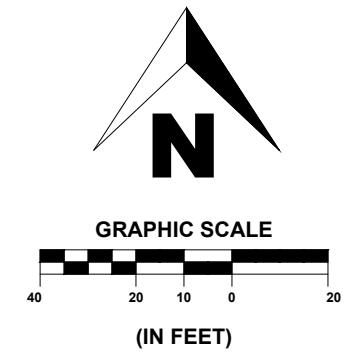
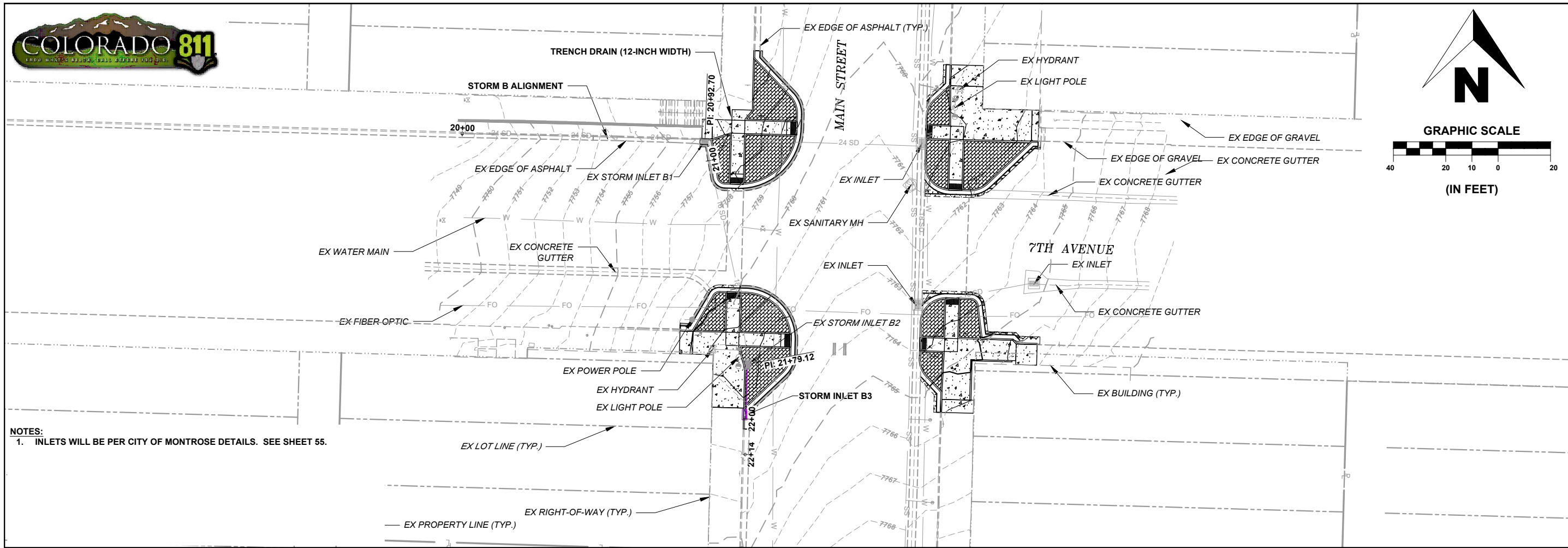


REVISIONS:

#	DATE	DESCRIPTION	SHEET

DATE: 11/14/2024
DRAWN BY: AM
CHECKED BY: SP

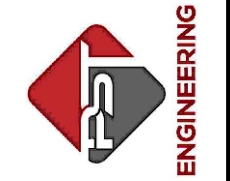
F.O.R. SET



NOTES:
1. INLETS WILL BE PER CITY OF MONTROSE DETAILS. SEE SHEET 55.

SHEET
50 OF 65

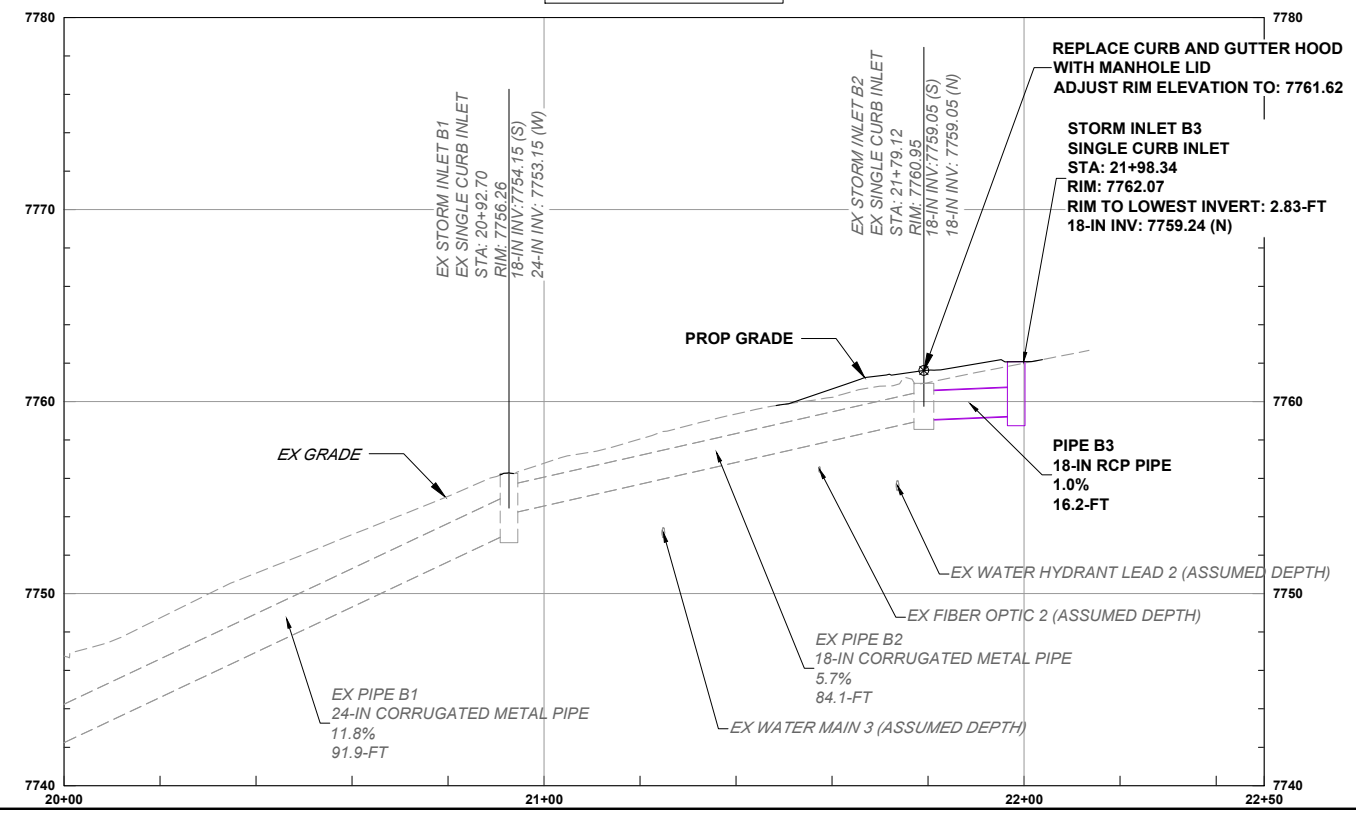
PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492



PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
STORM P-PRO 2
7TH AVENUE

PROFILE VERTICAL EXAGGERATION: 4X

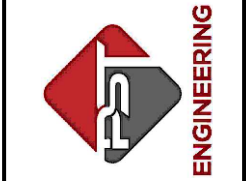
PROFILE VIEW OF STORM B



REVISIONS:		DESCRIPTION	SHEET
#	DATE		

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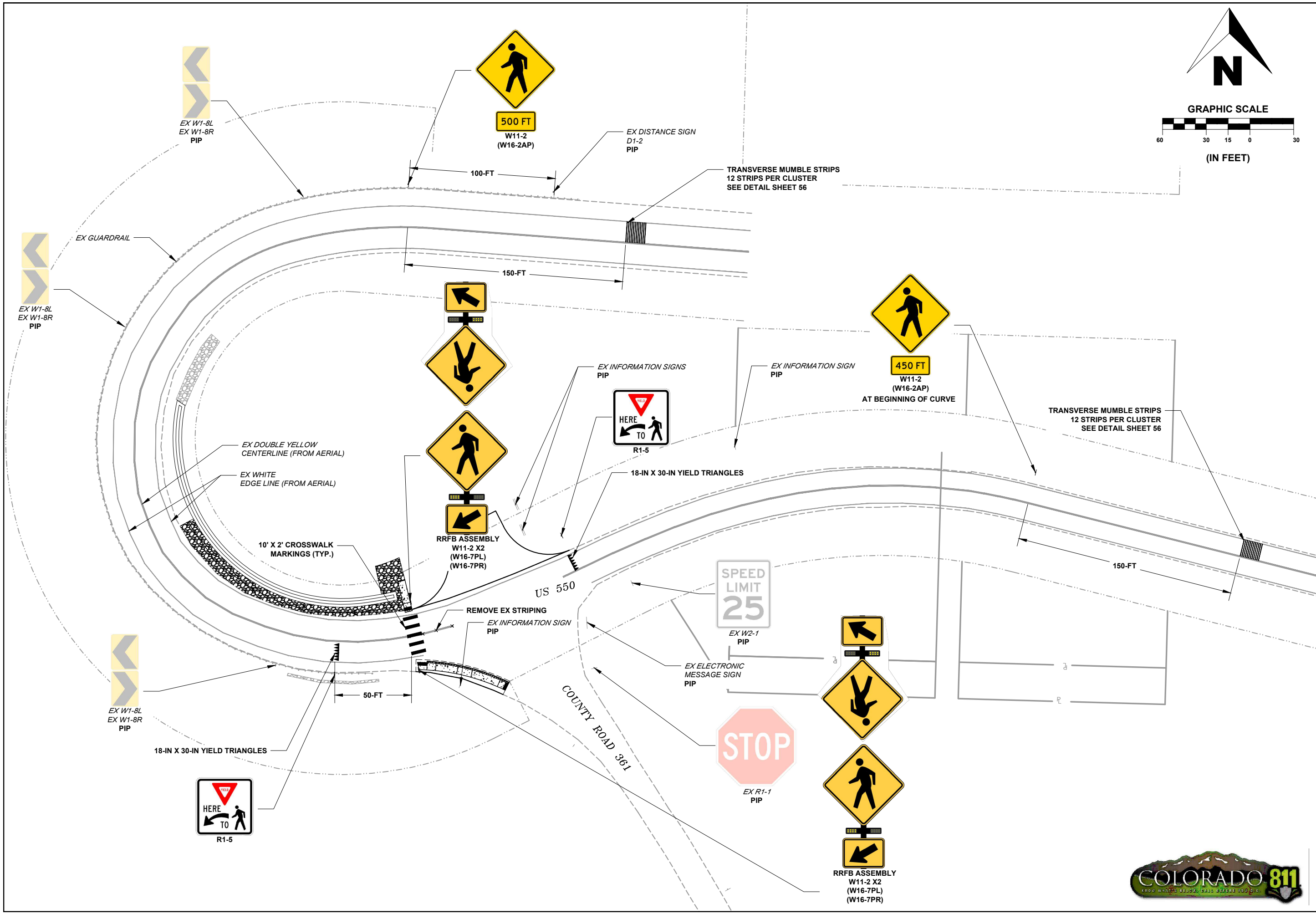
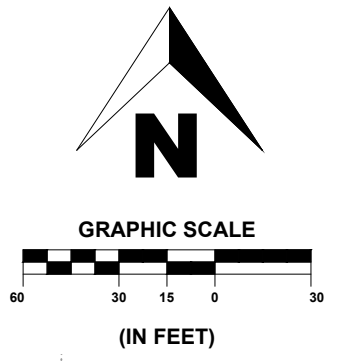


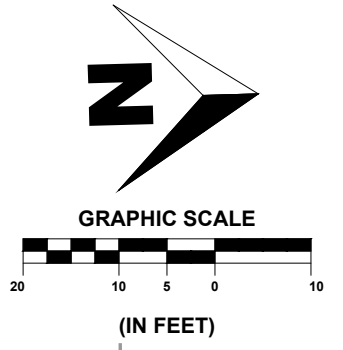
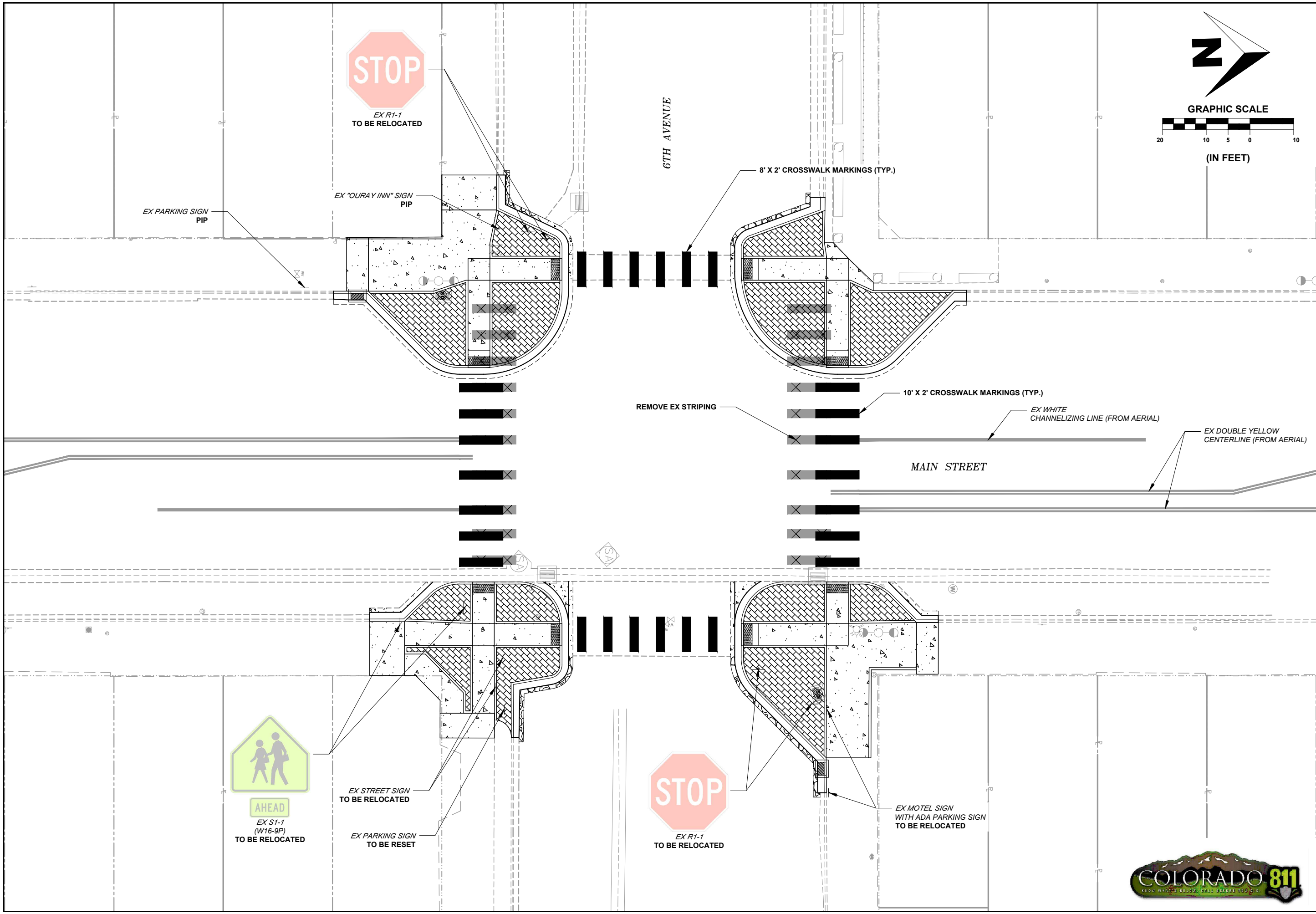
PROJECT NAME: OURAY
 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 SIGNING & STRIPING PLAN 1
 COUNTY ROAD 361

REVISIONS:		SHEET
#	DATE	DESCRIPTION

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ENGINEERING

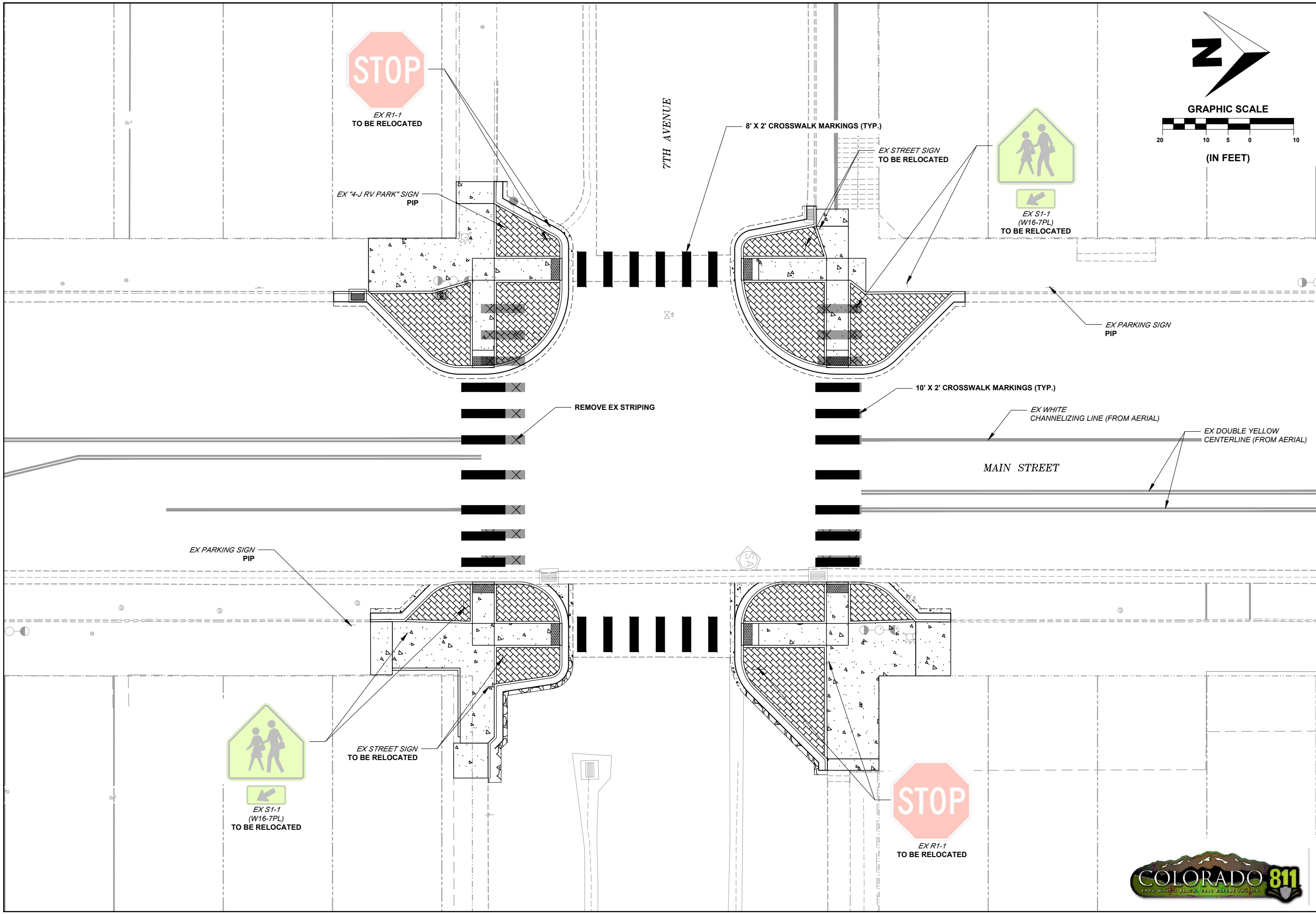
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MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
SIGNING & STRIPING PLAN 2
6TH AVENUE**

#	DATE	DESCRIPTION	SHEET

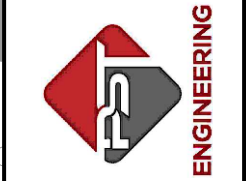
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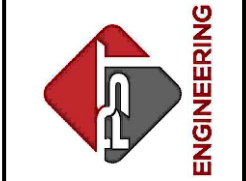
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MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
SIGNING & STRIPING PLAN 3
7TH AVENUE

#	DATE	DESCRIPTION	SHEET

DATE: 11/14/2024
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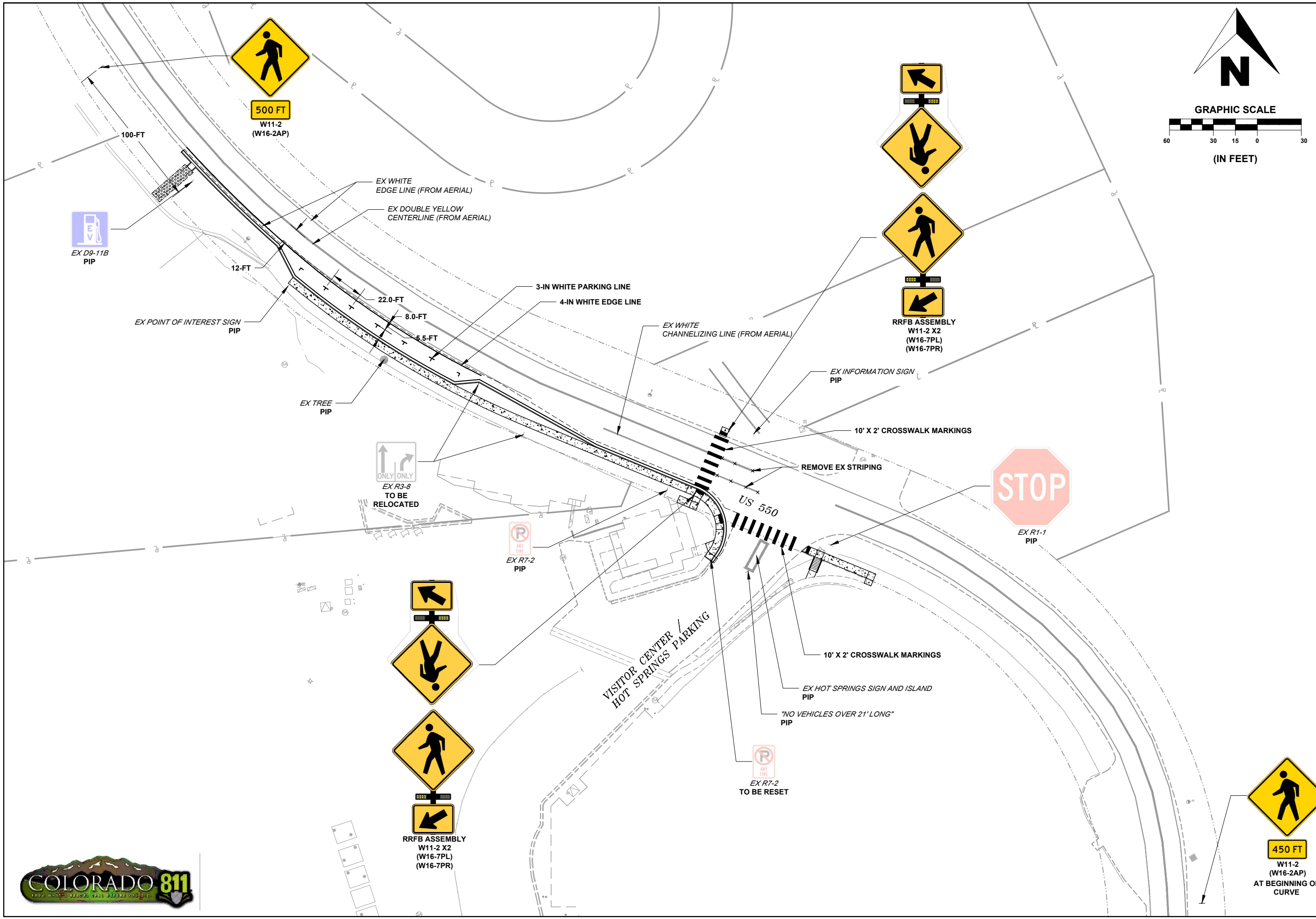
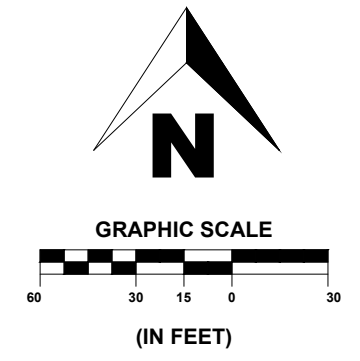


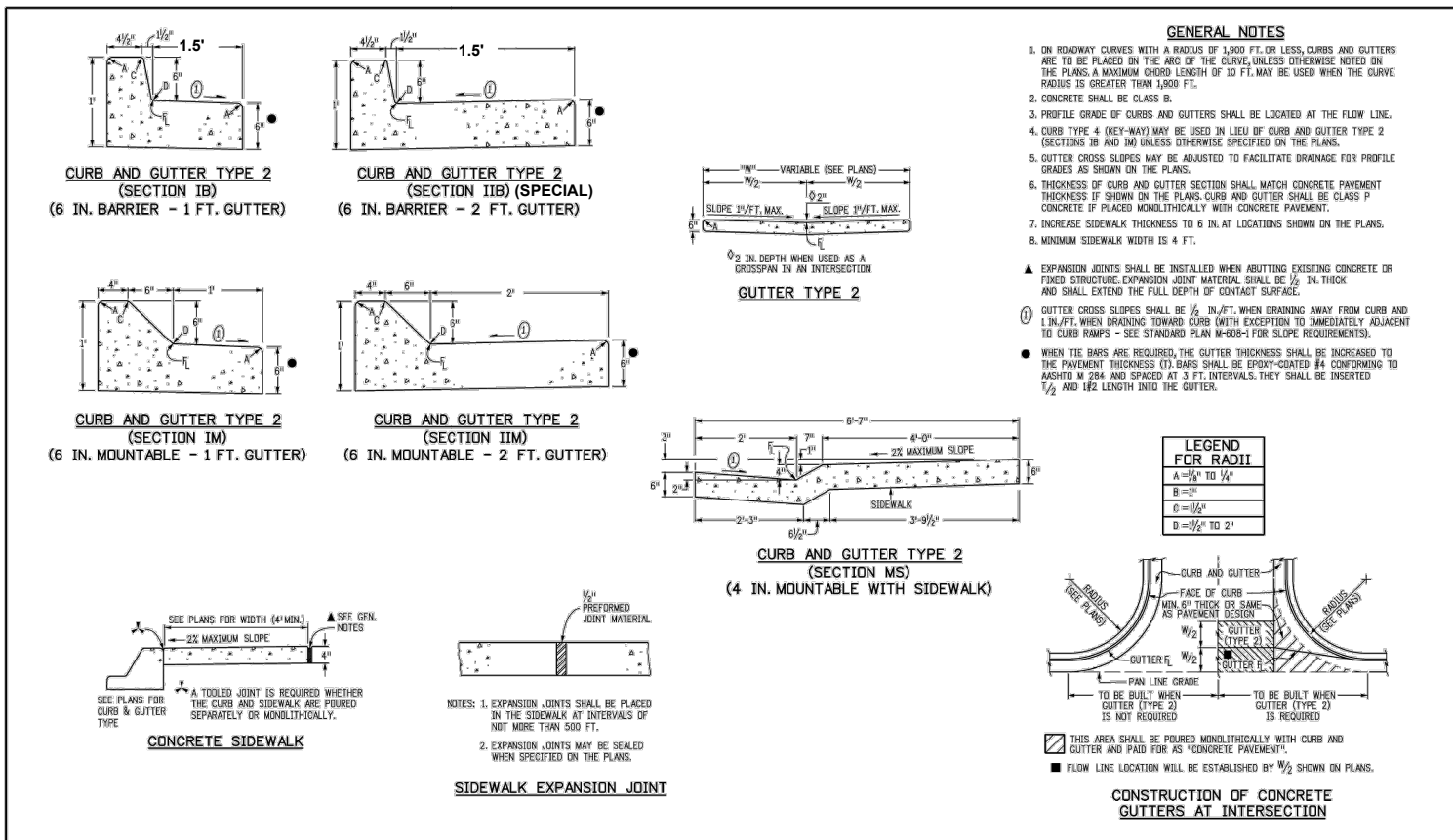
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 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 SIGNING & STRIPING PLAN 4
 VISITOR CENTER

REVISIONS:		SHEET
#	DATE	DESCRIPTION

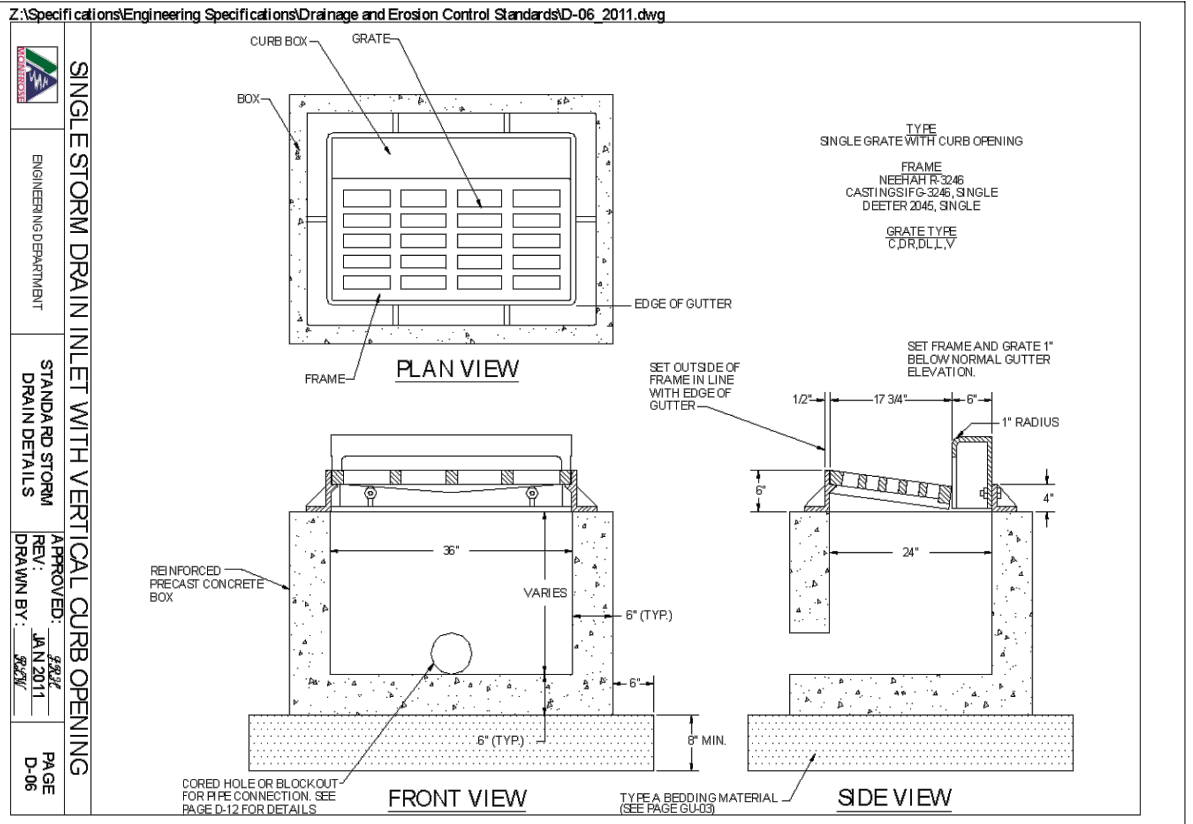
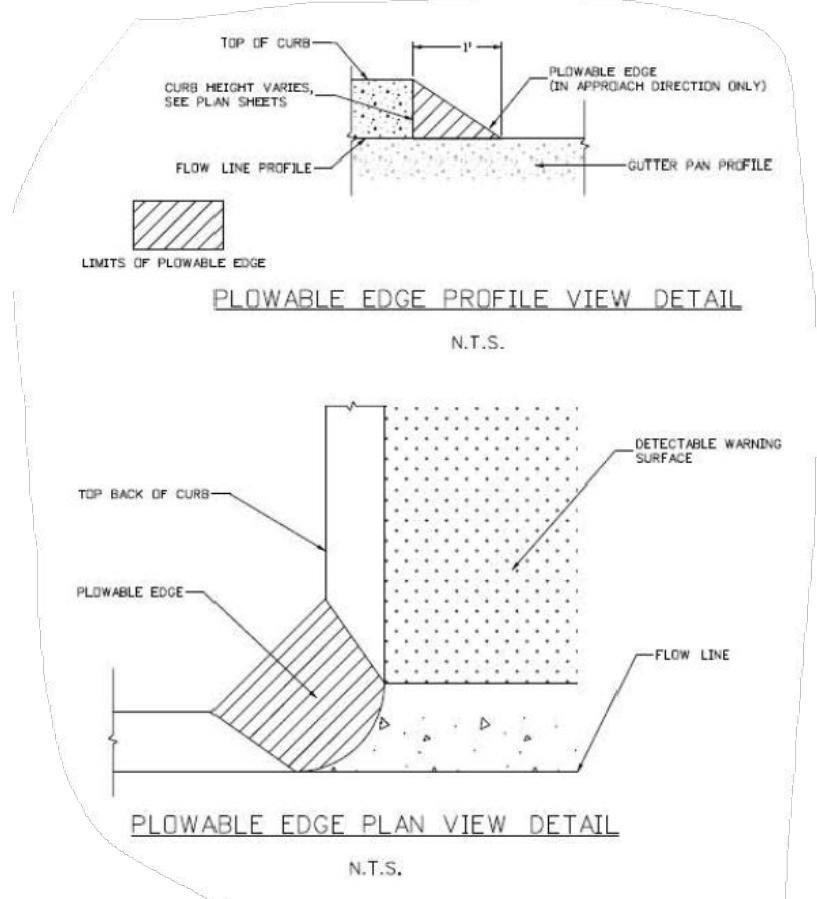
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F.O.R. SET

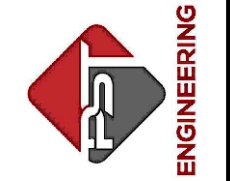




Computer File Information		Sheet Revisions		Colorado Department of Transportation		CURB, GUTTERS, AND SIDEWALKS		STANDARD PLAN NO.	
Creation Date: 07/31/19	Designer Initials: JBK	Date:	Comments:	2829 West Howard Place	3001 1/2, 3rd Floor	Denver, CO 80204	Phonex 303-757-9021 FAX: 303-757-9968	Project Development Branch	JBK
Lost Modification Date: 07/31/19	Detailer Initials: LTA								
CAD Ver: MicroStation V8	Scale: Not to Scale								
								M-609-1	
								Standard Sheet No. 1 of 4	
								Project Sheet Number:	



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PROJECT NAME: OURAY MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
DETAILS 1

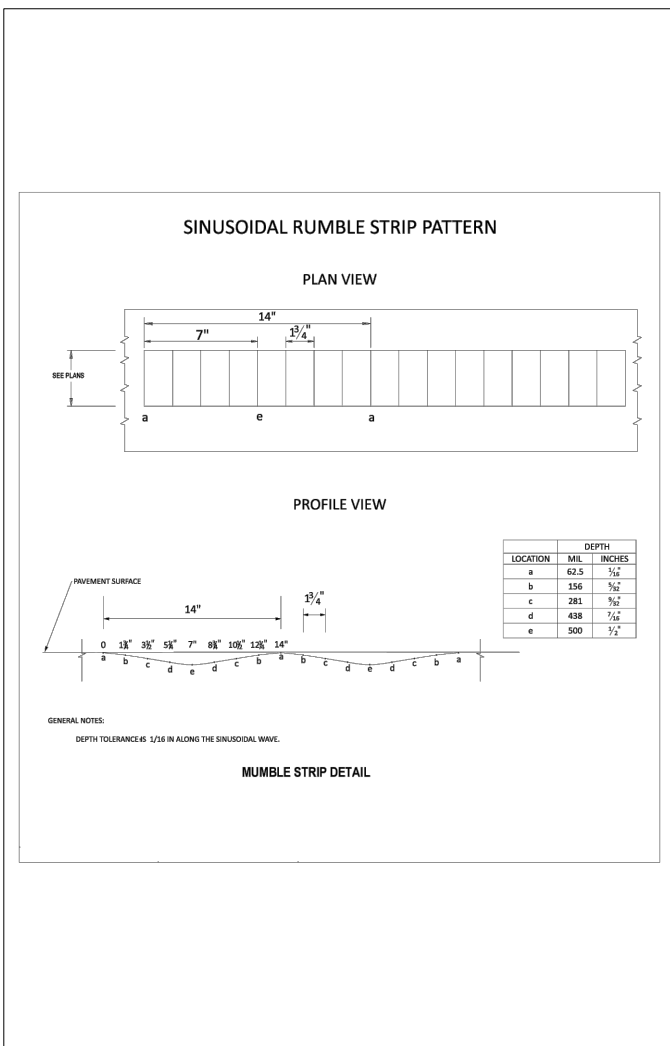
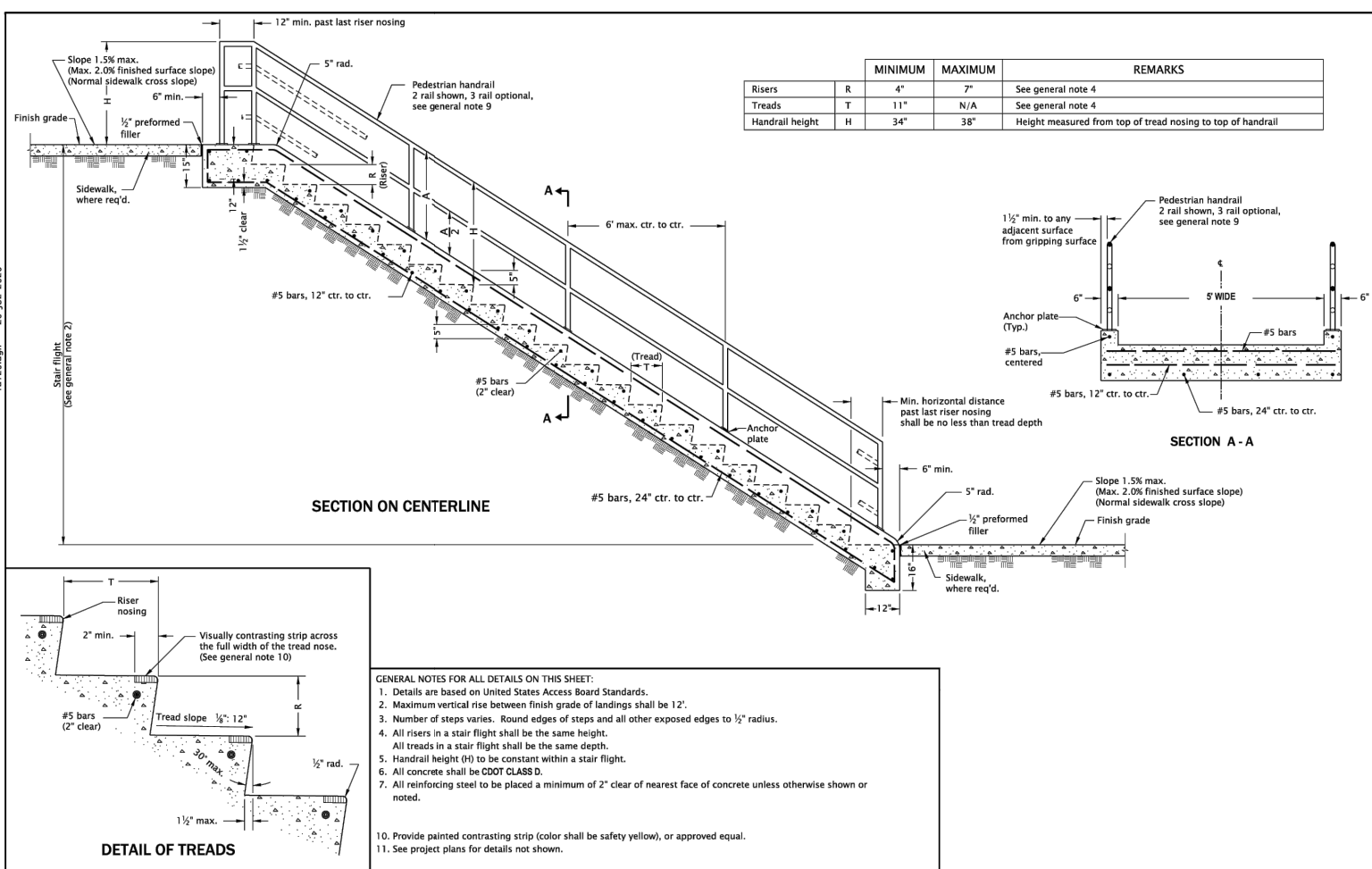
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DATE	#		

DATE: 11/14/2024
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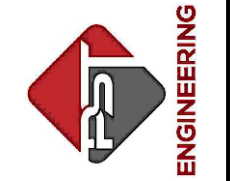


rd120.dgn 20-JUL-2020



- GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:**
- Details are based on United States Access Board Standards.
 - Maximum vertical rise between finish grade of landings shall be 12".
 - Number of steps varies. Round edges of steps and all other exposed edges to 1/2" radius.
 - All risers in a stair flight shall be the same height. All treads in a stair flight shall be the same depth.
 - Handrail height (H) to be constant within a stair flight.
 - All concrete shall be CDOT CLASS D.
 - All reinforcing steel to be placed a minimum of 2" clear of nearest face of concrete unless otherwise shown or noted.
 - Provide painted contrasting strip (color shall be safety yellow), or approved equal.
 - See project plans for details not shown.

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 970-403-5492



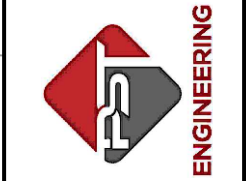
**PROJECT NAME: OURAY
 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 DETAILS 2**

#	DATE	DESCRIPTION	REVISIONS:
			SHEET

DATE: 11/14/2024
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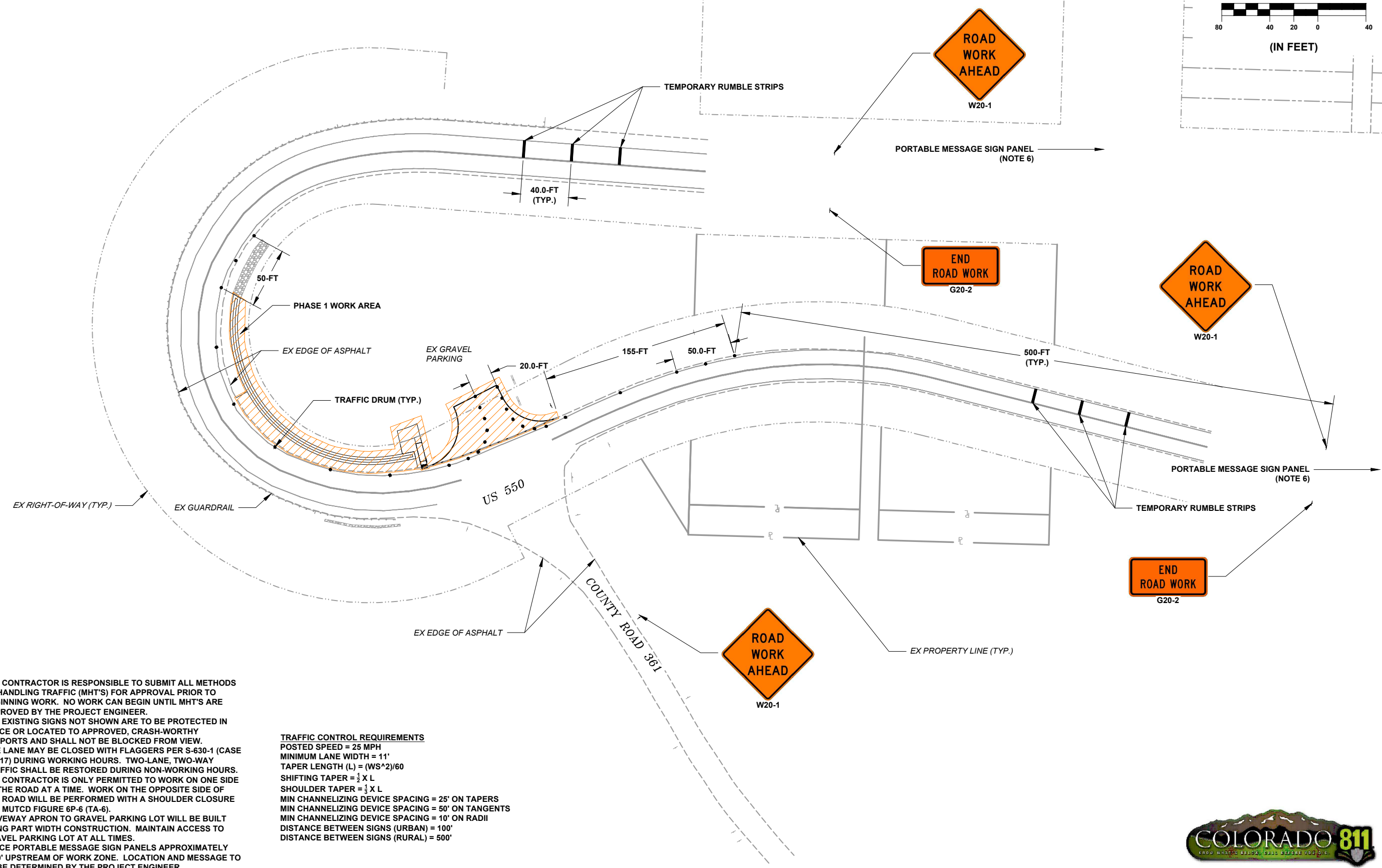
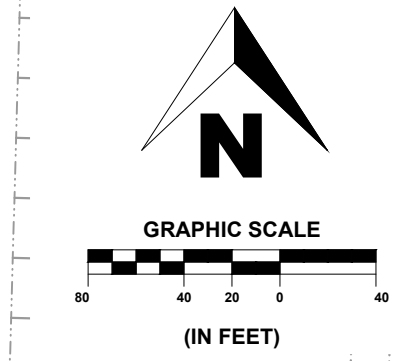




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			SHEET

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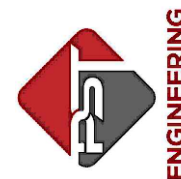
F.O.R. SET



- NOTES**
1. THE CONTRACTOR IS RESPONSIBLE TO SUBMIT ALL METHODS OF HANDLING TRAFFIC (MHT'S) FOR APPROVAL PRIOR TO BEGINNING WORK. NO WORK CAN BEGIN UNTIL MHT'S ARE APPROVED BY THE PROJECT ENGINEER.
 2. ALL EXISTING SIGNS NOT SHOWN ARE TO BE PROTECTED IN PLACE OR LOCATED TO APPROVED, CRASH-WORTHY SUPPORTS AND SHALL NOT BE BLOCKED FROM VIEW.
 3. ONE LANE MAY BE CLOSED WITH FLAGGERS PER S-630-1 (CASE NO. 17) DURING WORKING HOURS. TWO-LANE, TWO-WAY TRAFFIC SHALL BE RESTORED DURING NON-WORKING HOURS.
 4. THE CONTRACTOR IS ONLY PERMITTED TO WORK ON ONE SIDE OF THE ROAD AT A TIME. WORK ON THE OPPOSITE SIDE OF THE ROAD WILL BE PERFORMED WITH A SHOULDER CLOSURE PER MUTCD FIGURE 6P-6 (TA-6).
 5. DRIVEWAY APRON TO GRAVEL PARKING LOT WILL BE BUILT USING PART WIDTH CONSTRUCTION. MAINTAIN ACCESS TO GRAVEL PARKING LOT AT ALL TIMES.
 6. PLACE PORTABLE MESSAGE SIGN PANELS APPROXIMATELY 1000' UPSTREAM OF WORK ZONE. LOCATION AND MESSAGE TO BE DETERMINED BY THE PROJECT ENGINEER.

TRAFFIC CONTROL REQUIREMENTS
 POSTED SPEED = 25 MPH
 MINIMUM LANE WIDTH = 11'
 TAPER LENGTH (L) = (WS^2)/60
 SHIFTING TAPER = 1/2 X L
 SHOULDER TAPER = 1/3 X L
 MIN CHANNELIZING DEVICE SPACING = 25' ON TAPERS
 MIN CHANNELIZING DEVICE SPACING = 50' ON TANGENTS
 MIN CHANNELIZING DEVICE SPACING = 10' ON RADII
 DISTANCE BETWEEN SIGNS (URBAN) = 100'
 DISTANCE BETWEEN SIGNS (RURAL) = 500'



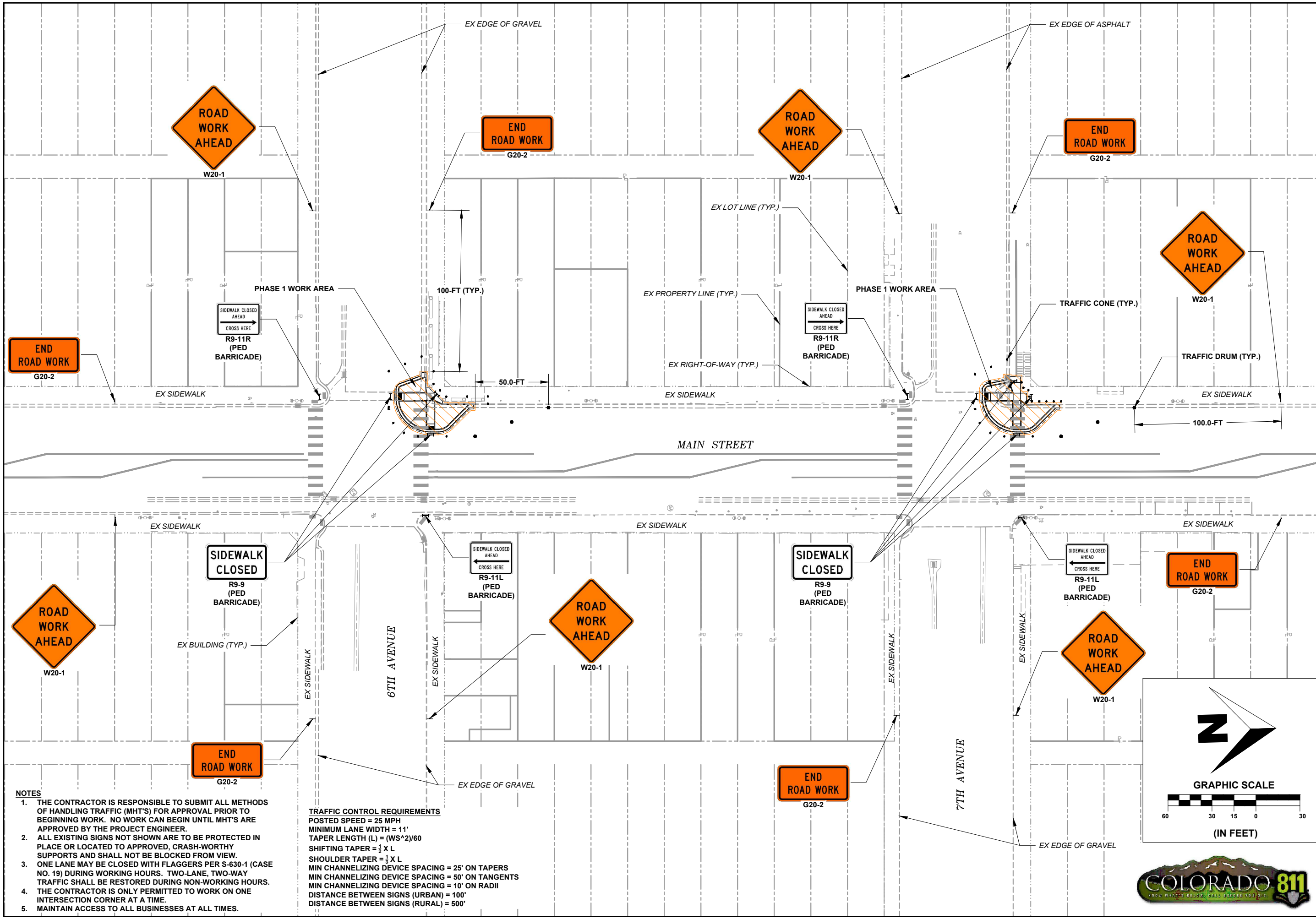


PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
TRAFFIC CONTROL PLAN
DOWNTOWN

REVISIONS:	DESCRIPTION	SHEET
#		

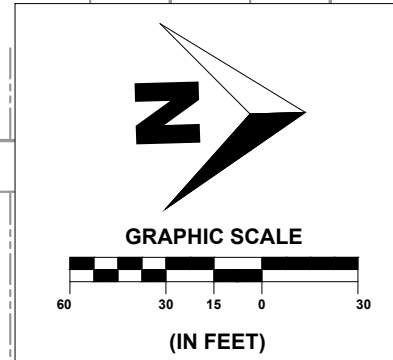
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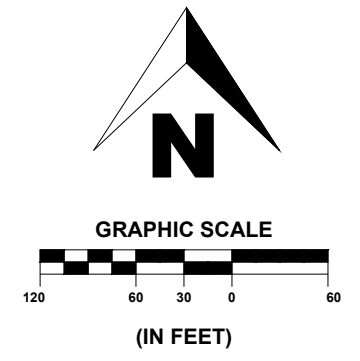
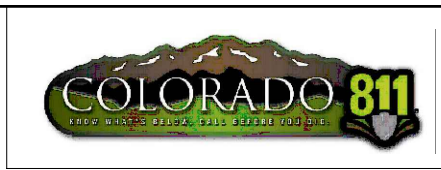
F.O.R. SET



- NOTES**
1. THE CONTRACTOR IS RESPONSIBLE TO SUBMIT ALL METHODS OF HANDLING TRAFFIC (MHT'S) FOR APPROVAL PRIOR TO BEGINNING WORK. NO WORK CAN BEGIN UNTIL MHT'S ARE APPROVED BY THE PROJECT ENGINEER.
 2. ALL EXISTING SIGNS NOT SHOWN ARE TO BE PROTECTED IN PLACE OR LOCATED TO APPROVED, CRASH-WORTHY SUPPORTS AND SHALL NOT BE BLOCKED FROM VIEW.
 3. ONE LANE MAY BE CLOSED WITH FLAGGERS PER S-630-1 (CASE NO. 19) DURING WORKING HOURS. TWO-LANE, TWO-WAY TRAFFIC SHALL BE RESTORED DURING NON-WORKING HOURS. THE CONTRACTOR IS ONLY PERMITTED TO WORK ON ONE INTERSECTION CORNER AT A TIME.
 4. MAINTAIN ACCESS TO ALL BUSINESSES AT ALL TIMES.

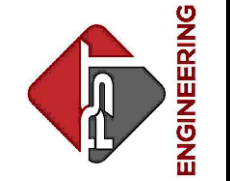
TRAFFIC CONTROL REQUIREMENTS
POSTED SPEED = 25 MPH
MINIMUM LANE WIDTH = 11'
TAPER LENGTH (L) = (WS^2)/60
SHIFTING TAPER = 1/3 X L
SHOULDER TAPER = 1/4 X L
MIN CHANNELIZING DEVICE SPACING = 25' ON TAPERS
MIN CHANNELIZING DEVICE SPACING = 50' ON TANGENTS
MIN CHANNELIZING DEVICE SPACING = 10' ON RADII
DISTANCE BETWEEN SIGNS (URBAN) = 100'
DISTANCE BETWEEN SIGNS (RURAL) = 500'





SHEET
59 OF 65

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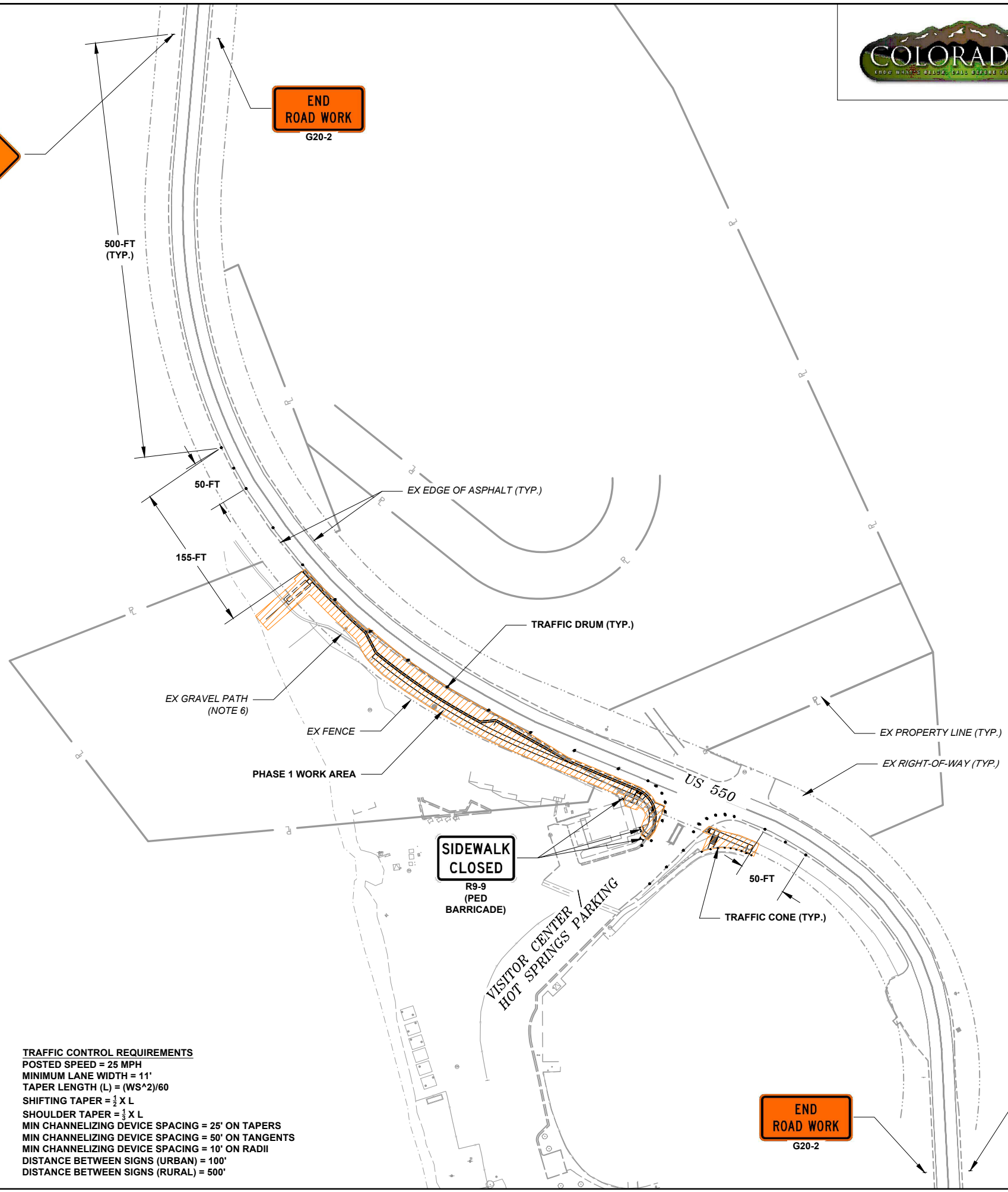


PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
TRAFFIC CONTROL PLAN
VISITOR CENTER

REVISIONS:		SHEET
#	DATE	DESCRIPTION

DATE: 11/14/2024
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TRAFFIC CONTROL REQUIREMENTS
POSTED SPEED = 25 MPH
MINIMUM LANE WIDTH = 11'
TAPER LENGTH (L) = (WS^2)/60
SHIFTING TAPER = 1/4 X L
SHOULDER TAPER = 1/2 X L
MIN CHANNELIZING DEVICE SPACING = 25' ON TAPERS
MIN CHANNELIZING DEVICE SPACING = 50' ON TANGENTS
MIN CHANNELIZING DEVICE SPACING = 10' ON RADII
DISTANCE BETWEEN SIGNS (URBAN) = 100'
DISTANCE BETWEEN SIGNS (RURAL) = 500'

- NOTES**
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 3. ONE LANE MAY BE CLOSED WITH FLAGGERS PER S-630-1 (CASE NO. 17) DURING WORKING HOURS. TWO-LANE, TWO-WAY TRAFFIC SHALL BE RESTORED DURING NON-WORKING HOURS.
 4. THE CONTRACTOR IS ONLY PERMITTED TO WORK ON ONE SIDE OF THE ROAD AT A TIME. WORK ON THE OPPOSITE SIDE OF THE ROAD WILL BE PERFORMED WITH A SHOULDER CLOSURE PER MUTCD FIGURE 6P-6 (TA-6).
 5. MAINTAIN EGRESS AND INGRESS TO HOT SPRINGS PROPERTY AT ALL TIMES.
 6. PEDESTRIAN ACCESS FROM THE EXISTING PATH TO THE HOT SPRINGS SHALL BE SAFELY MAINTAINED THROUGH THE WORK ZONE. THE CONTRACTOR MUST SUBMIT AN MHT FOR THE PROPOSED PEDESTRIAN ROUTE.

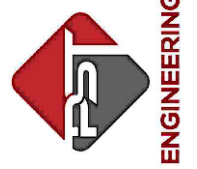
TABULATION OF TEMPORARY TRAFFIC CONTROL SIGNS ⁽¹⁾							
SIGN CODE	LEGEND	DIMENSION W (IN) X H (IN)	PANEL SIZE			SPECIAL	
			A EA	B EA	C EA	EA	SF
G20-2	END ROAD WORK	36 x 18	6				
R9-9	SIDEWALK CLOSED	24 x 12	7				
R9-11	SIDEWALK CLOSED AHEAD, CROSS HERE	24 x 18	4				
W20-1	ROAD WORK AHEAD	36 x 36	6				
W20-4	ONE LANE ROAD AHEAD	36 x 36	2				
W20-7	FLAGGER (SYMBOL)	36 x 36	2				
SPECIAL	"XYZ CONSTRUCTION THANKS YOU XXX-XXX-XXXX"	48 x 48				2	32
PROJECT TOTALS			27	0	0		32

- NOTES:**
- TTC SIGN TOTALS ARE ESTIMATES ONLY, CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL PLAN.
 - TRAFFIC CONTROL SIGNS ARE BASED ON THE MAXIMUM NEEDED FOR THE PROJECT. RESETTING OF SIGNS IS INCIDENTAL.

TABULATION OF TEMPORARY TRAFFIC CONTROL									
PHASE	SIDE	630-00000	630-00007	630-00012	630-80340	630-80355	630-80380	630-80380	630-80440
		FLAGGING	TRAFFIC CONTROL INSPECTION	TRAFFIC CONTROL MANAGEMENT	PEDESTRIAN BARRICADE (ADA)	PORTABLE MESSAGE SIGN PANEL	DRUM CHANNELIZING DEVICE	TRAFFIC CONE	PORTABLE RUMBLE STRIPS (TEMPORARY)
		HOUR	DAY	DAY	LF	EACH	EACH	EACH	EACH
SOUTH AREA (COUNTY ROAD 361)		20	8	20		2	28		6
6TH AVENUE INTERSECTION		20	8	20	20		3	16	
7TH AVENUE INTERSECTION		20	8	20	24		3	18	
NORTH AREA (VISITOR CENTER)		20	8	20	12		36	9	
PROJECT TOTALS		80	32	80	24	2	36	18	6

- NOTES:**
- FLAGGING HOURS ARE BASED ON 10 HR/DAY.
 - BARRICADES, DRUMS, CONES, AND MESSAGE BOARDS ARE BASED ON THE MAXIMUM NEEDED FOR THE PROJECT. RESETTING OF DEVICES IS INCIDENTAL.

PST ENGINEERING, LLC
 2615 MAIN AVE. SUITE 209
 DURANGO, CO 81301
 970-403-5492



**PROJECT NAME: OURAY
 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 TABULATION OF TRAFFIC**

REVISIONS:		DATE	DESCRIPTION	SHEET
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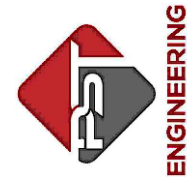
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TABULATION OF REMOVALS										
STATION TO STATION	SIDE	PAYITEM	202-00036	202-00200	202-00203	202-00210	202-00220	202-05004	202-05006	202-05026
		REMOVAL OF PIPE (SPECIAL)	REMOVAL OF SIDEWALK	REMOVAL OF CURB AND GUTTER	REMOVAL OF CONCRETE PAVEMENT	REMOVAL OF ASPHALT MAT	SAWING CONCRETE (4 INCH)	SAWING CONCRETE (6 INCH)	SAWING ASPHALT MATERIAL (6 INCH)	
		LF	SY	LF	SY	SY	LF	LF	LF	
SOUTH AREA (COUNTY ROAD 361)										
MM 92.95 to MM 93.02	BOTH		0	0	0	67.7				96
6TH AVENUE INTERSECTION										
MM 93.48 to MM 93.51	BOTH		214.6	254	115.9	158.2	188	79		141
7TH AVENUE INTERSECTION										
MM 93.56 to MM 93.59	BOTH	16	226.1	228	115.8	169.4	214	78		173
NORTH AREA (VISITOR CENTER)										
MM 94.01 to MM 94.09	BOTH		34.7	72	0	149.2				507
PROJECT TOTALS		16	475.4	554	231.7	544.5	402	157		917

- NOTES:**
- FOR SIDEWALK CHASE.
 - INCLUDES REMOVAL OF TRUNCATED DOMES
 - FOR INFORMATION ONLY. COST IS INCIDENTAL TO REMOVALS.
 - ESTIMATED THICKNESS.

TABULATION OF STRIPE REMOVAL						
LOCATION	SIDE	STRIPE	TYPE	STRIPING LENGTH (FT)	STRIPING WIDTH (FT)	PAY ITEM
						202-00250
						REMOVAL OF PAVEMENT MARKING
						SF
SOUTH AREA (COUNTY ROAD 361)						
MM 92.95 to MM 93.02	BOTH	4" DOUBLE YELLOW	SOLID	32	0.33	21
6TH AVENUE INTERSECTION						
MM 93.48 to MM 93.51	BOTH	24" CROSSWALK	SOLID	200	2.00	400
MM 93.48 to MM 93.51	BOTH	4" DOUBLE YELLOW	SOLID	16	0.33	11
MM 93.48 to MM 93.51	BOTH	8" CHANNELIZING	SOLID	10	0.67	7
7TH AVENUE INTERSECTION						
MM 93.56 to MM 93.59	BOTH	24" CROSSWALK	SOLID	200	2.00	400
MM 93.56 to MM 93.59	BOTH	4" DOUBLE YELLOW	SOLID	9	0.33	6
MM 93.56 to MM 93.59	BOTH	8" CHANNELIZING	SOLID	5	0.67	3
NORTH AREA (VISITOR CENTER)						
MM 94.01 to MM 94.09	BOTH	4" EDGE	SOLID	294	0.33	97
MM 94.01 to MM 94.09	BOTH	4" DOUBLE YELLOW	SOLID	34	0.33	22
MM 94.01 to MM 94.09	BOTH	8" CHANNELIZING	SOLID	42	0.67	28
PROJECT TOTALS						995

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**PROJECT NAME: OURAY
 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 TABULATION OF REMOVALS**

REVISIONS:			SHEET
#	DATE	DESCRIPTION	

DATE: 11/14/2024
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TABULATION OF SURFACING AND CURB AND GUTTER

STATION TO STATION	SIDE	PAYITEM	207-00606	207-00704	212-00708	213-00003	216-00201	304-02000	304-06000	403-00720	506-00206	608-00000	608-00006	608-00010	609-20010	609-21023	610-00026	610-00035
		TOPSOIL (IMPORTED)	SUBGRADE SOIL PREPARATION	SEEDING (NATIVE) BROADCAST	MULCHING (WEED FREE)	SOIL RETENTION BLANKET (STRAW-COCONUT) (BIODEGRADABLE CLASS 1)	AGGREGATE BASE COURSE (CLASS 2)	AGGREGATE BASE COURSE (CLASS 6)	HOT MIX ASPHALT (PATCHING) (ASPHALT)	RIPRAP (6 INCH)	CONCRETE SIDEWALK	CONCRETE SIDEWALK (6 INCH)	CONCRETE CURB RAMP	CURB TYPE 2 (SECTION B)	CURB AND GUTTER TYPE 2 (SECTION II-B) (SPECIAL)	MEDIAN COVER MATERIAL (6 INCH PATTERNED CONCRETE)	MEDIAN COVER MATERIAL (CONCRETE)(SPECIAL)	
		CY	SY	ACRE	ACRE	SY	TON	TON	TON	CY	SY	SY	SY	LF	LF	SF	SF	
SOUTH AREA (COUNTY ROAD 361)																		
MM 92.95 to MM 93.02	BOTH	3	27.3	0.01	0	27.3	592.6	414.8	98	0	0	24.9	21.8	0	0	59	0	
6TH AVENUE INTERSECTION																		
MM 93.48 to MM 93.51	BOTH	0	0	0	0	0	5.3	143.7	5.6	0	158.7	0	103.7	220	323	0	2095	
7TH AVENUE INTERSECTION																		
MM 93.56 to MM 93.59	BOTH	0	0	0	0	0	3.4	143.2	7	0	173.6	0	103	158	325	0	1953	
NORTH AREA (VISITOR CENTER)																		
MM 94.01 to MM 94.09	BOTH	60.6	551	0.11	0.11	28.4	1.7	185	102.7	7.1	221	0	41	0	448	0	0	
PROJECT TOTALS		63.6	578.3	0.12	0.11	55.7	603	886.7	213.3	7.1	553.3	24.9	269.5	378	1096	59	4048	

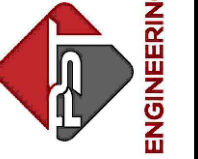
(1) (1) (2) (3)(4) (5)

NOTES:

1. AGGREGATE BASE COURSE, CLASS 2 AND CLASS 6 CALCULATED USING A CONVERSION FACTOR OF 137 LB/CF AND 10% WASTE.
2. ASPHALT CALCULATED USING A CONVERSION FACTOR OF 145 LB/CF AND 5% WASTE.
3. INCLUDES ADDITIONAL CONCRETE PATCHING BETWEEN EXISTING CONCRETE AND NEW CURB AND GUTTER. INCLUDES DOWELLING INTO EXISTING CONCRETE.
4. INCLUDES CURB CUT AND RUNDOWN AT NORTH AREA (VISITOR CENTER).
5. COLORED CONCRETE ONLY WITH NO PATTERN.

SHEET
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PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492



PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
TABULATION OF SURFACING

#	DATE	DESCRIPTION	SHEET

DATE: 11/14/2024
DRAWN BY: AM
CHECKED BY: SP

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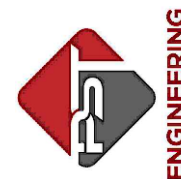
TABULATION OF SIGNS

SIGN NUMBER	SIGN CODE	LEGEND	BACKGROUND COLOR	STATION	SIDE	DIMENSION	PAY ITEM			
							614-00011	614-00012	614-01573	614-80003
						SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	STEEL SIGN SUPPORT (2-1/2 INCH ROUND NP-40)(POST & SLIPBASE)	RECTANGULAR RAPID FLASHING BEACON	
						W (IN) X H (IN)	SF	SF	EACH	EACH
SOUTH AREA (COUNTY ROAD 361)										
1	W11-2	PEDESTRIAN	YELLOW	0+00.00		36 x 36		9.00		1
1	W16-7PL	DOWNWARD DIAGONAL ARROW LEFT (PLAQUE)	YELLOW	0+91.92		24 x 12	2.00			
1	W11-2	PEDESTRIAN	YELLOW	0+00.00		36 x 36		9.00		
1	W16-7PR	DOWNWARD DIAGONAL ARROW RIGHT (PLAQUE)	YELLOW	0+91.92		24 x 12	2.00			
1	W11-501	CROSS TRAFFIC DOES NOT STOP (PLAQUE)	WHITE	0+91.92		12 x 12	1.00			
1	R10-25	PUSH BUTTON TO TURN ON WARNING LIGHTS	WHITE	0+95.74		9 x 12	0.75			
2	W11-2	PEDESTRIAN	YELLOW	0+00.00		36 x 36		9.00		1
2	W16-7PL	DOWNWARD DIAGONAL ARROW LEFT (PLAQUE)	YELLOW	0+91.92		24 x 12	2.00			
2	W11-2	PEDESTRIAN	YELLOW	0+00.00		36 x 36		9.00		
2	W16-7PR	DOWNWARD DIAGONAL ARROW RIGHT (PLAQUE)	YELLOW	0+91.92		24 x 12	2.00			
2	W11-501	CROSS TRAFFIC DOES NOT STOP (PLAQUE)	WHITE	0+91.92		12 x 12	1.00			
2	R10-25	PUSH BUTTON TO TURN ON WARNING LIGHTS	WHITE	0+95.74		9 x 12	0.75			
3	W11-2	PEDESTRIAN	YELLOW	0+00.00		36 x 36		9.00	1	
3	W16-2AP	XX FT	YELLOW	0+91.92		24 x 12	2.00			
4	W11-2	PEDESTRIAN	YELLOW	0+00.00		36 x 36		9.00	1	
4	W16-2AP	XX FT	YELLOW	0+91.92		24 x 12	2.00			
5	R1-5	YIELD HERE TO PEDS	WHITE	0+00.00		36 x 36		9.00	1	
6	R1-5	YIELD HERE TO PEDS	WHITE	0+00.00		36 x 36		9.00	1	
6TH AVENUE INTERSECTION										
7TH AVENUE INTERSECTION										
NORTH AREA (VISITOR CENTER)										
1	W11-2	PEDESTRIAN	YELLOW	0+00.00		36 x 36		9.00		1
1	W16-7PL	DOWNWARD DIAGONAL ARROW LEFT (PLAQUE)	YELLOW	0+91.92		24 x 12	2.00			
1	W11-2	PEDESTRIAN	YELLOW	0+00.00		36 x 36		9.00		
1	W16-7PR	DOWNWARD DIAGONAL ARROW RIGHT (PLAQUE)	YELLOW	0+91.92		24 x 12	2.00			
1	W11-501	CROSS TRAFFIC DOES NOT STOP (PLAQUE)	WHITE	0+91.92		12 x 12	1.00			
1	R10-25	PUSH BUTTON TO TURN ON WARNING LIGHTS	WHITE	0+95.74		9 x 12	0.75			
2	W11-2	PEDESTRIAN	YELLOW	0+00.00		36 x 36		9.00		1
2	W16-7PL	DOWNWARD DIAGONAL ARROW LEFT (PLAQUE)	YELLOW	0+91.92		24 x 12	2.00			
2	W11-2	PEDESTRIAN	YELLOW	0+00.00		36 x 36		9.00		
2	W16-7PR	DOWNWARD DIAGONAL ARROW RIGHT (PLAQUE)	YELLOW	0+91.92		24 x 12	2.00			
2	W11-501	CROSS TRAFFIC DOES NOT STOP (PLAQUE)	WHITE	0+91.92		12 x 12	1.00			
2	R10-25	PUSH BUTTON TO TURN ON WARNING LIGHTS	WHITE	0+95.74		9 x 12	0.75			
3	W11-2	PEDESTRIAN	YELLOW	0+00.00		36 x 36		9.00	1	
3	W16-2AP	XX FT	YELLOW	0+91.92		24 x 12	2.00			
4	W11-2	PEDESTRIAN	YELLOW	0+00.00		36 x 36		9.00	1	
4	W16-2AP	XX FT	YELLOW	0+91.92		24 x 12	2.00			
PROJECT TOTALS							31.00	126.00	6	4

SHEET

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PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492



**PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
TABULATION OF SIGNS**

REVISIONS:		DATE	DESCRIPTION	SHEET
#				

DATE: 11/14/2024
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TABULATION OF DRAINAGE ITEMS						
PAY ITEM	206-00065	603-01180	603-50012	604-19005	604-19712	
STATION TO STATION	SIDE	STRUCTURE BACKFILL (FLOW-FILL)	18 INCH REINFORCED CONCRETE PIPE	12 INCH PLASTIC PIPE	INLET SPECIAL (5 FOOT)	INLET SPECIAL (TRENCH DRAIN) (12 INCH WIDTH)
		CY	LF	LF	EACH	LF
SOUTH AREA (COUNTY ROAD 361)						
MM 92.95 to MM 93.02	BOTH					
6TH AVENUE INTERSECTION						
MM 93.48 to MM 93.51	BOTH	4	37		2	
7TH AVENUE INTERSECTION						
MM 93.56 to MM 93.59	BOTH	2	20		1	
NORTH AREA (VISITOR CENTER)						
MM 94.01 to MM 94.09	BOTH			30		
PROJECT TOTALS		6	57	30	3	0

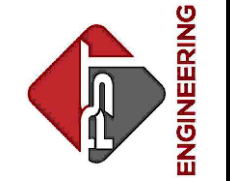
TABULATION OF ADJUSTMENTS, MODIFICATIONS, AND MISCELLANEOUS							
PAY ITEM	210-00810	210-04020	210-04050	210-04051	614-80391	629-01002	
STATION TO STATION	SIDE	RESET GROUND SIGN	MODIFY INLET	ADJUST VALVE BOX	ADJUST VALVE BOX (SPECIAL)	RUMBLE STRIP (GRINDING)(ASP HALT)	SURVEY MONUMENT (TYPE 2)
		EACH	EACH	EACH	EACH	LF	EACH
SOUTH AREA (COUNTY ROAD 361)							
MM 92.95 to MM 93.02	BOTH					26	1
6TH AVENUE INTERSECTION							
MM 93.48 to MM 93.51	BOTH	6	2	2	3		1
7TH AVENUE INTERSECTION							
MM 93.56 to MM 93.59	BOTH	6	2	4			
NORTH AREA (VISITOR CENTER)							
MM 94.01 to MM 94.09	BOTH	2		1			
PROJECT TOTALS		14	4	7	3	26	2

NOTES:
1. FOR ADJUSTING SANITARY CLEANOUTS TO GRADE.

TABULATION OF STRIPING					
LOCATION	SIDE	627-00013		627-30405	627-30410
		PAVEMENT MARKING PAINT (HIGH BUILD)		PREFORMED THERMOPLASTIC PAVEMENT MARKING (WORD-SYMBOL) (INLAID)	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOP LINE) (INLAID)
		WHITE		WHITE	WHITE
		EDGE	PARKING	SYMBOL	CROSSWALK
		SOLID	SOLID	YIELD TRIANGLES	SOLID
		4-INCH FT	3-INCH FT	1.5-FT X 2.5-FT EA	24-INCH FT
SOUTH AREA (COUNTY ROAD 361)				12	50
6TH AVENUE INTERSECTION					236
7TH AVENUE INTERSECTION					236
NORTH AREA (VISITOR CENTER)		256	38		150
SUBTOTAL		256.0	38.0	12	672.0
TOTAL (SF)		85.3	9.5	22.5	1344.0
TOTAL (GAL)		2.0			

NOTES:
1. APPLICATION RATE FOR PAVEMENT MARKING PAINT (HIGH BUILD) IS ESTIMATED AT 67 SQ FT PER GALLON.

PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492



PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
TABULATION OF DRAINAGE & ADJUSTMENTS

REVISIONS:		DATE	DESCRIPTION	SHEET
#				

DATE: 11/14/2024
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SUMMARY OF EARTHWORK QUANTITIES

<u>UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE) (NET)</u>		<u>CUBIC YARDS</u>
SOUTH AREA (COUNTY ROAD 361)		192
6TH AVENUE INTERSECTION		54
7TH AVENUE INTERSECTION		76
NORTH AREA (VISITOR CENTER)		125
TOTAL		447
<u>MUCK EXCAVATION</u>		<u>CUBIC YARDS</u>
STATION XXX+XX TO XXX+XX		0
TOTAL		0

FOR INFORMATION ONLY EARTHWORK QUANTITIES BALANCE

<u>EMBANKMENT MATERIAL (COMPLETE IN PLACE) (NET)</u>		<u>CUBIC YARDS</u>
SOUTH AREA (COUNTY ROAD 361)	TOP 2' OF EMB. (MIN. "R: 50)	1
6TH AVENUE INTERSECTION	TOP 2' OF EMB. (MIN. "R: 50)	13
7TH AVENUE INTERSECTION	TOP 2' OF EMB. (MIN. "R: 50)	5
NORTH AREA (VISITOR CENTER)	TOP 2' OF EMB. (MIN. "R: 50)	26
TOTAL		45

<u>COMPACTION (AASHTO T 99)</u>		<u>CUBIC YARDS</u>
TOTAL EMBANKMENT (NET)		45
BASES OF CUTS AND FILLS		
TOTAL		45

<u>EARTHWORK QUANTITIES BALANCE</u>		<u>CUBIC YARDS</u>
<u>UNCLASSIFIED EXCAVATION</u>		
TOTAL		447

<u>EMBANKMENT (NET)</u>		<u>CUBIC YARDS</u>
TOTAL		45

<u>EMBANKMENT (NET) TIMES COMPACTION FACTOR</u>		<u>CUBIC YARDS</u>
	1.15	
TOTAL		52

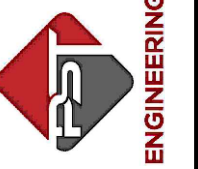
<u>EXCESS EXCAVATION</u>		<u>CUBIC YARDS</u>
FLATTENING ROADWAY FILL SLOPES		
EXCESS EXCAVATION TO BE PROPERTY OF THE CONTRACTOR		395
TOTAL		395

<u>EMBANKMENT FACTORED PLUS EXCESS EXCAVATION</u>		<u>CUBIC YARDS</u>
TOTAL		447

<u>PAY ITEM</u>		<u>514-00042</u>	<u>601-03000</u>	<u>602-00000</u>
<u>LOCATION</u>	<u>SIDE</u>	<u>PEDESTRIAN RAILING (42 INCH)</u>	<u>CONCRETE CLASS D</u>	<u>REINFORCING STEEL</u>
		<u>LF</u>	<u>CY</u>	<u>LB</u>
NORTH AREA (VISITOR CENTER)				
MM 94.01 to MM 94.09	BOTH	18	1.9	167
PROJECT TOTALS		18	1.9	167
		(1)	(1)	(1)

NOTES:
1. FOR CONCRETE STAIRS WITH RAILING

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DURANGO, CO 81301
970-403-5492



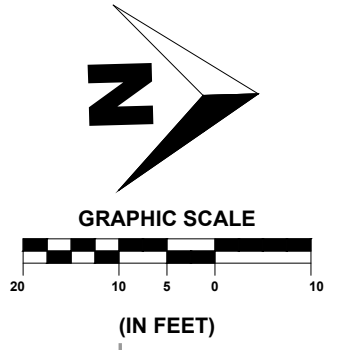
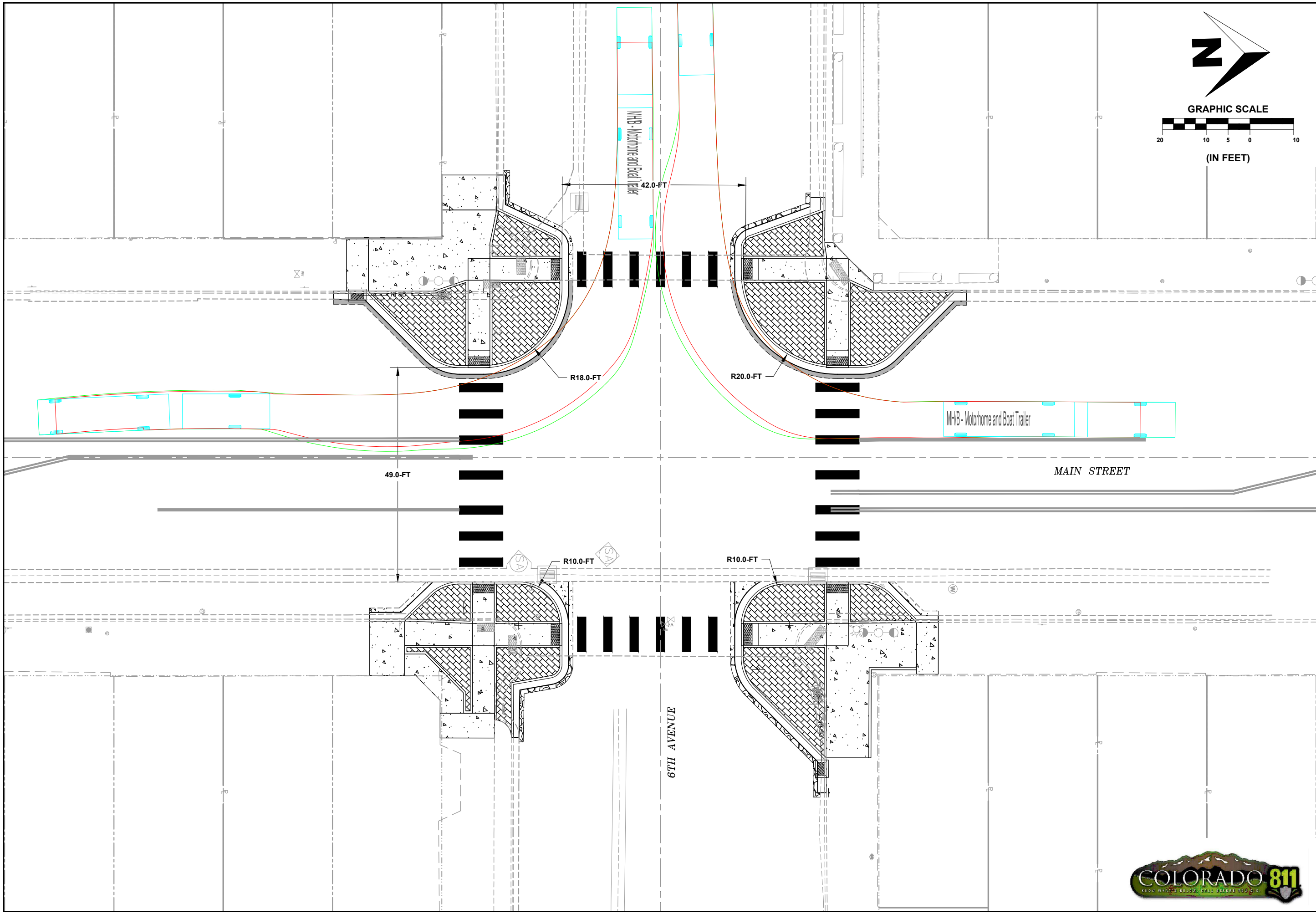
PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
TABULATION OF EARTH AND STRUCTURES

<u>REVISIONS:</u>		<u>SHEET</u>
<u>#</u>	<u>DATE</u>	<u>DESCRIPTION</u>

DATE: 11/14/2024
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SHEET
1 OF 7

PST ENGINEERING, LLC
 2615 MAIN AVE. SUITE 209
 DURANGO, CO 81301
 970-403-5492



ENGINEERING

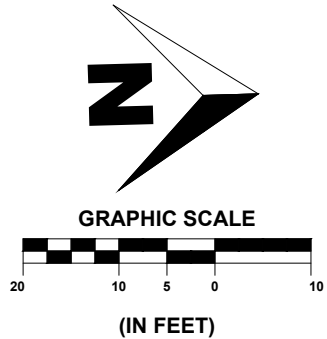
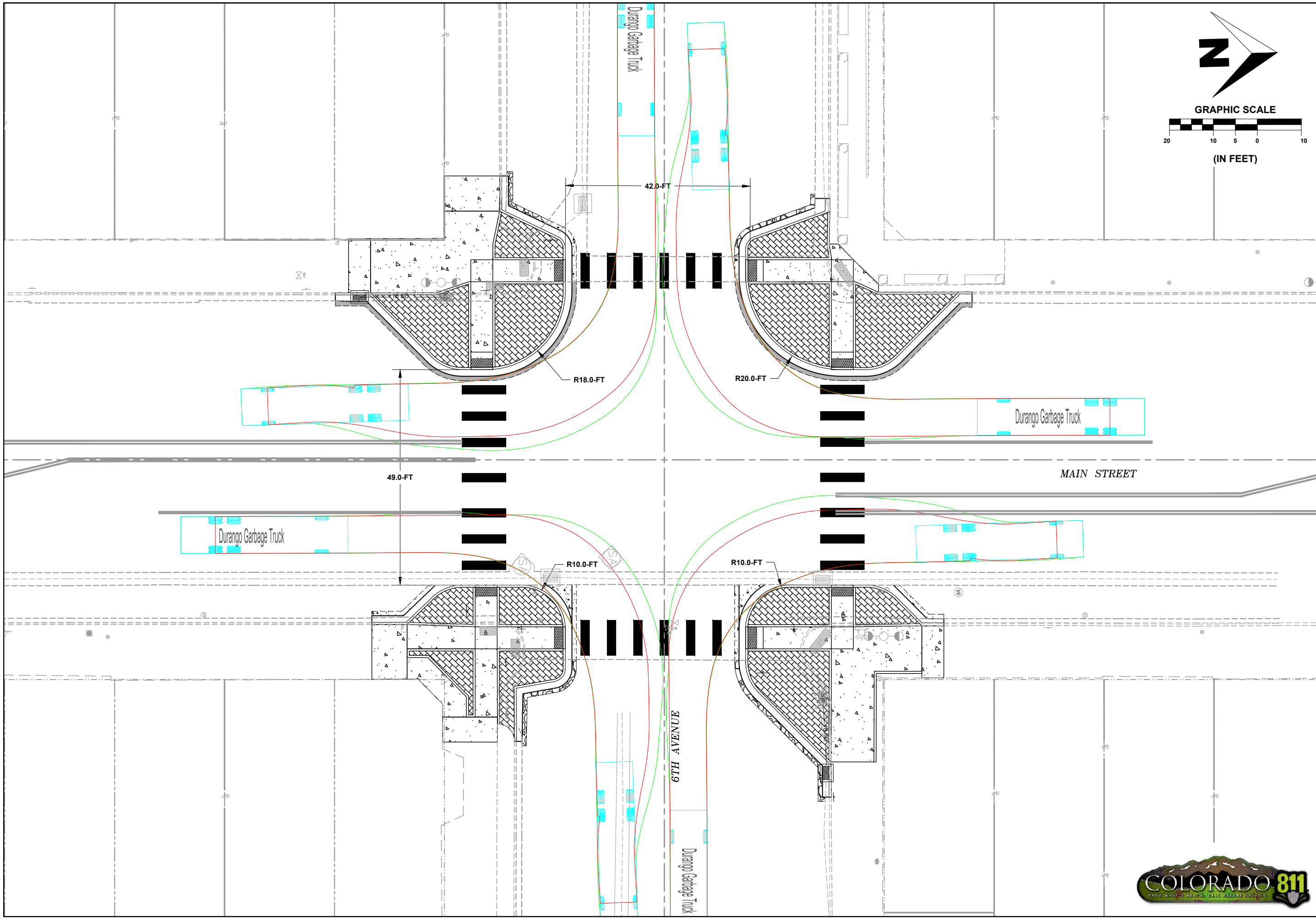
**PROJECT NAME: OURAY
 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 TURNING MOVEMENTS 1
 RV WITH TRAILER**

#	DATE	REVISIONS: DESCRIPTION	SHEET

DATE: 11/14/2024
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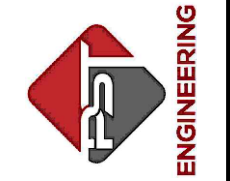
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SHEET
2 OF 7

PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492



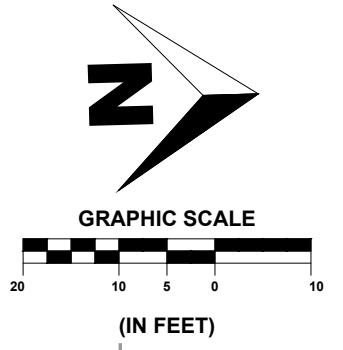
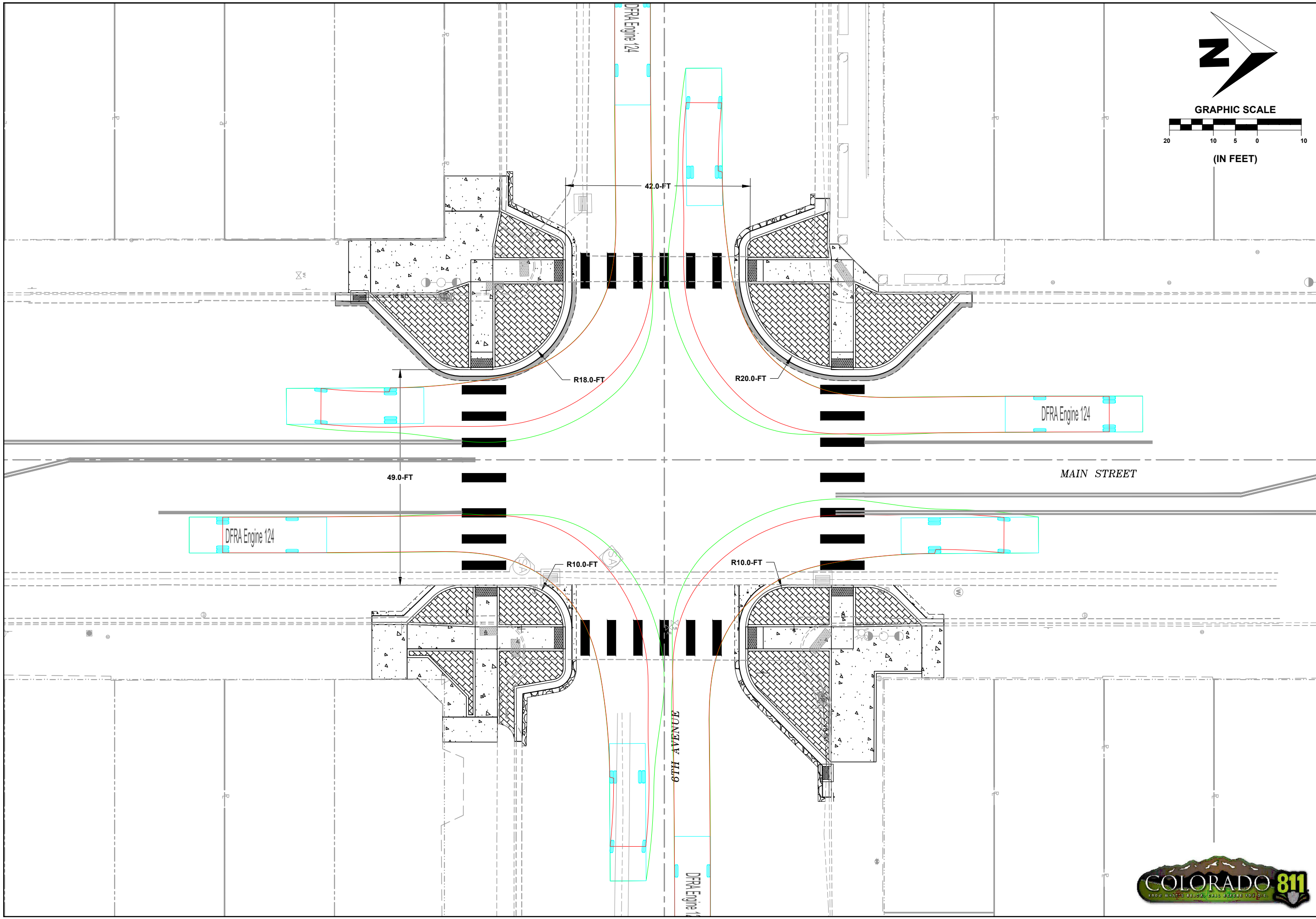
PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
TURNING MOVEMENTS 2
GARBAGE TRUCK

#	DATE	DESCRIPTION	SHEET

DATE: 11/14/2024
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SHEET
3 OF 7

PST ENGINEERING, LLC
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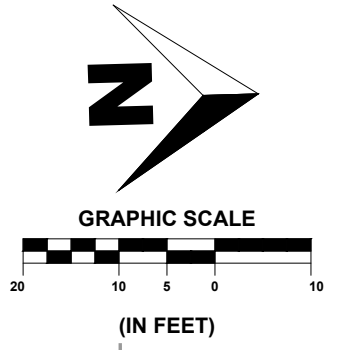
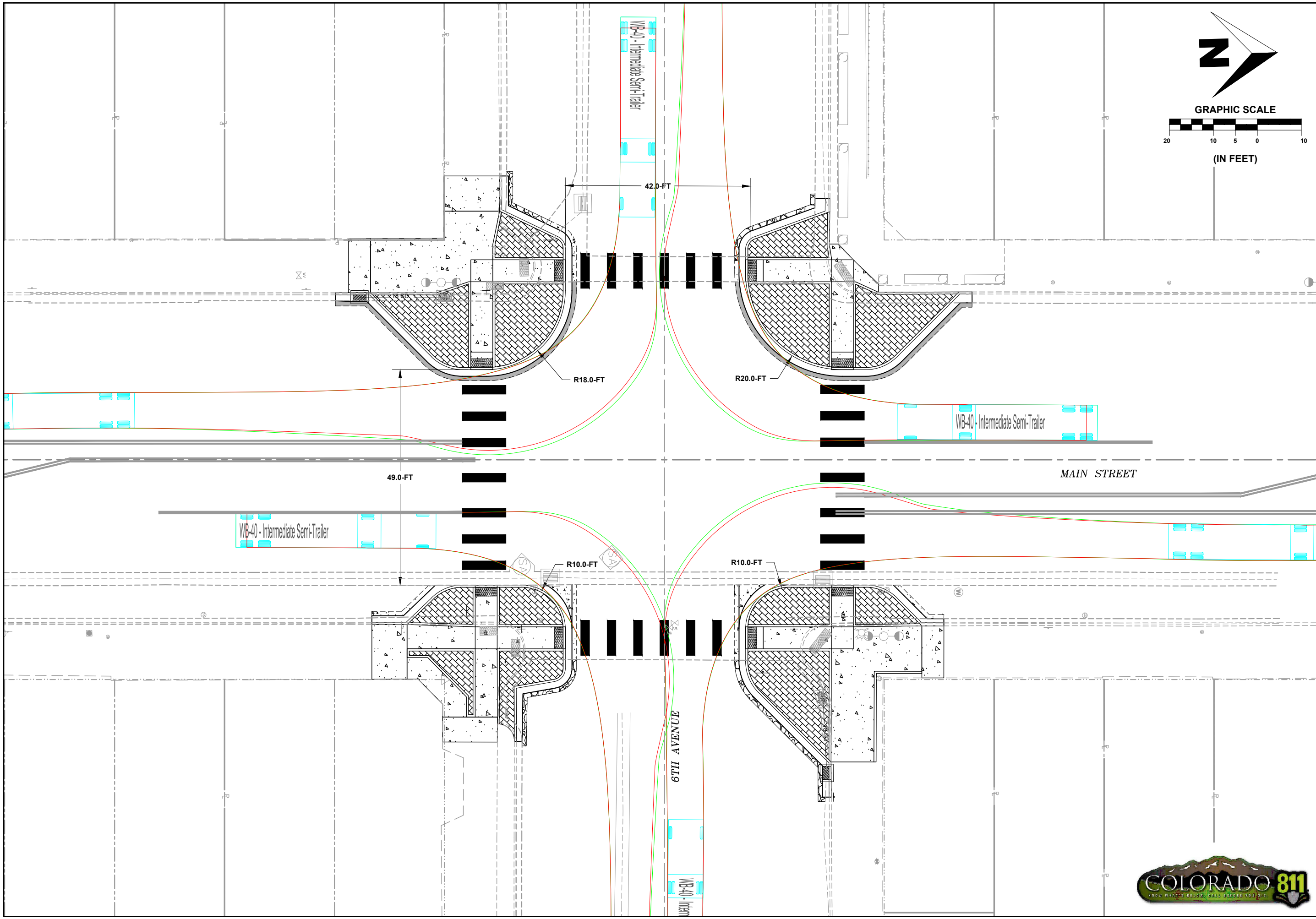
**PROJECT NAME: OURAY
 MAIN STREET RMS
 PROJECT # C M006-001
 PROJECT CODE: 25227
 TURNING MOVEMENTS 3
 FIRE TRUCK**

#	DATE	DESCRIPTION	SHEET

DATE: 11/14/2024
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SHEET
4
OF
7

PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492

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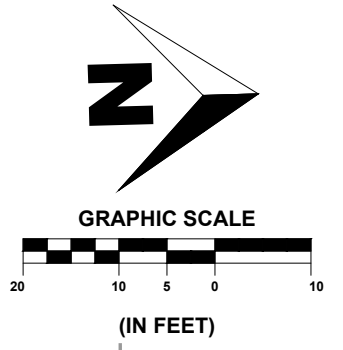
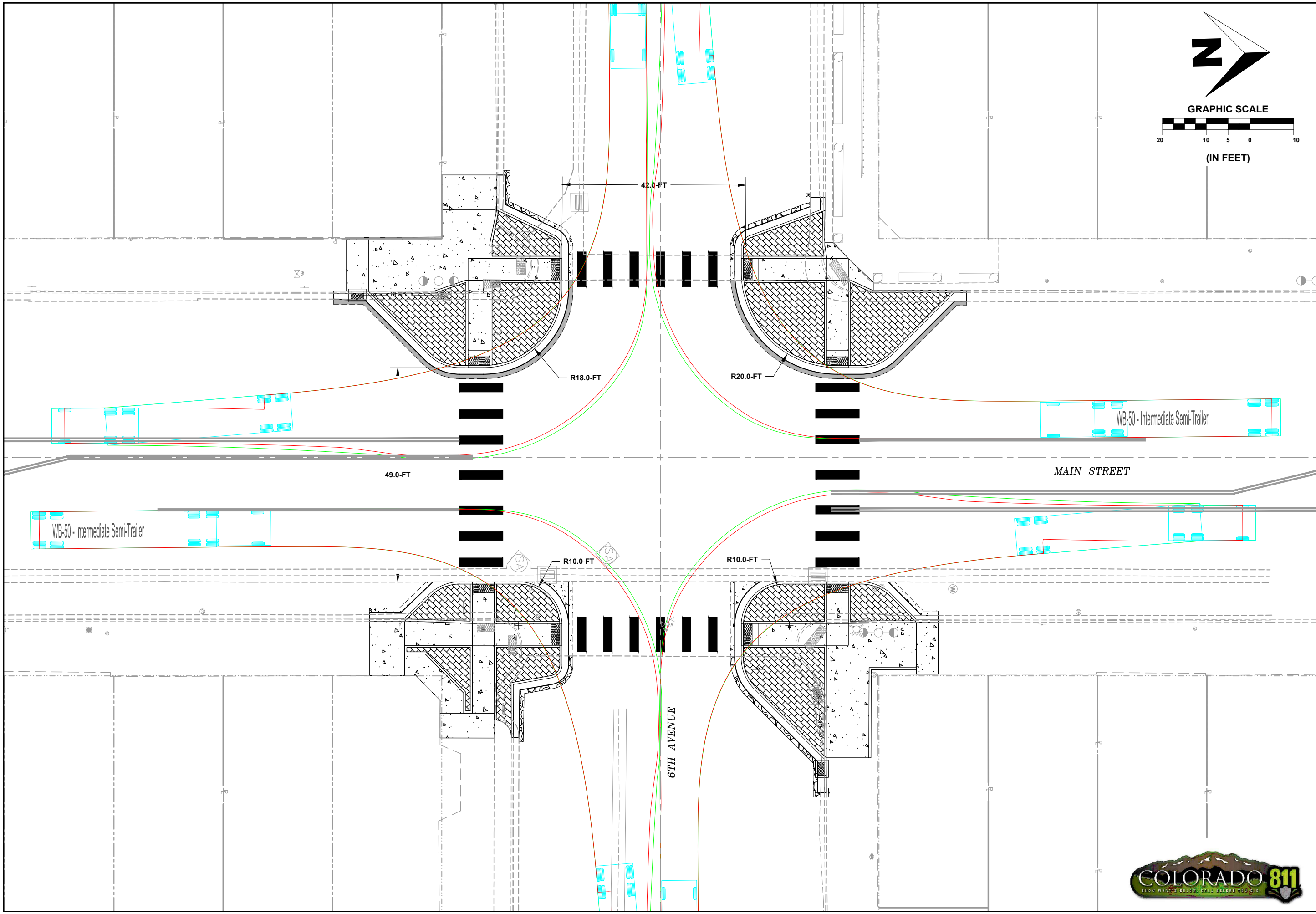
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MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
TURNING MOVEMENTS 4
WB-40**

#	DATE	DESCRIPTION	SHEET

DATE: 11/14/2024
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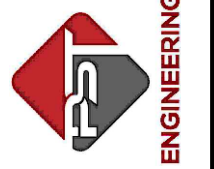


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SHEET
5 OF 7

PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492



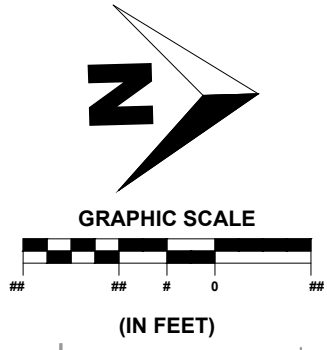
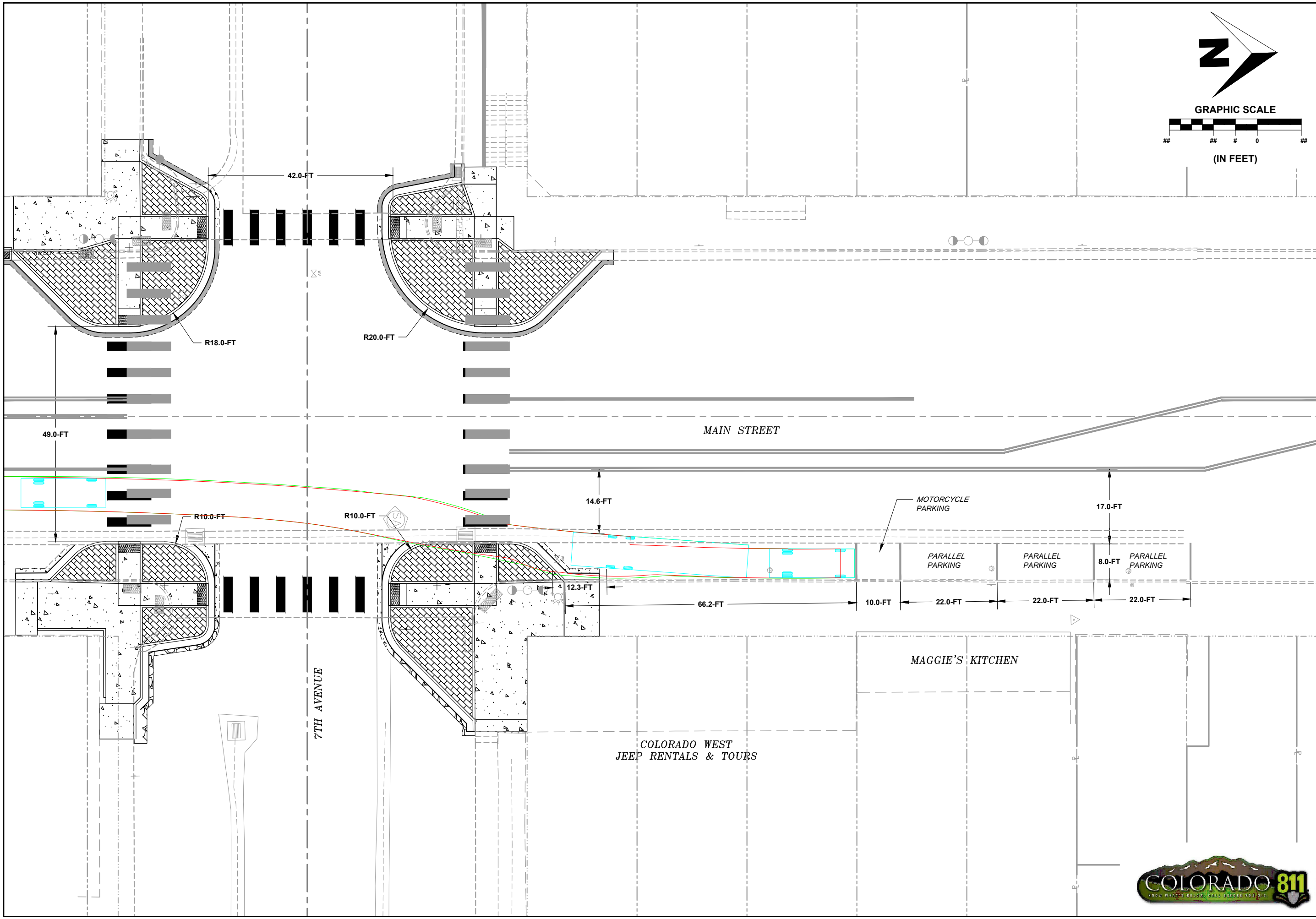
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MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
TURNING MOVEMENTS 5
WB-50

#	DATE	DESCRIPTION	SHEET

DATE: 11/14/2024
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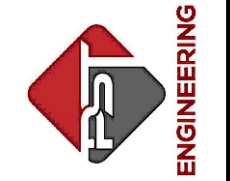


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SHEET
6 OF 7

PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
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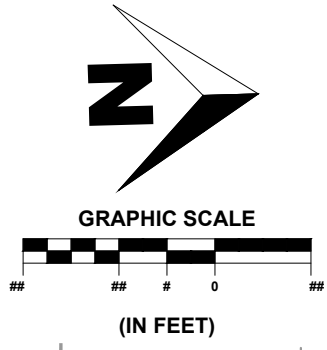
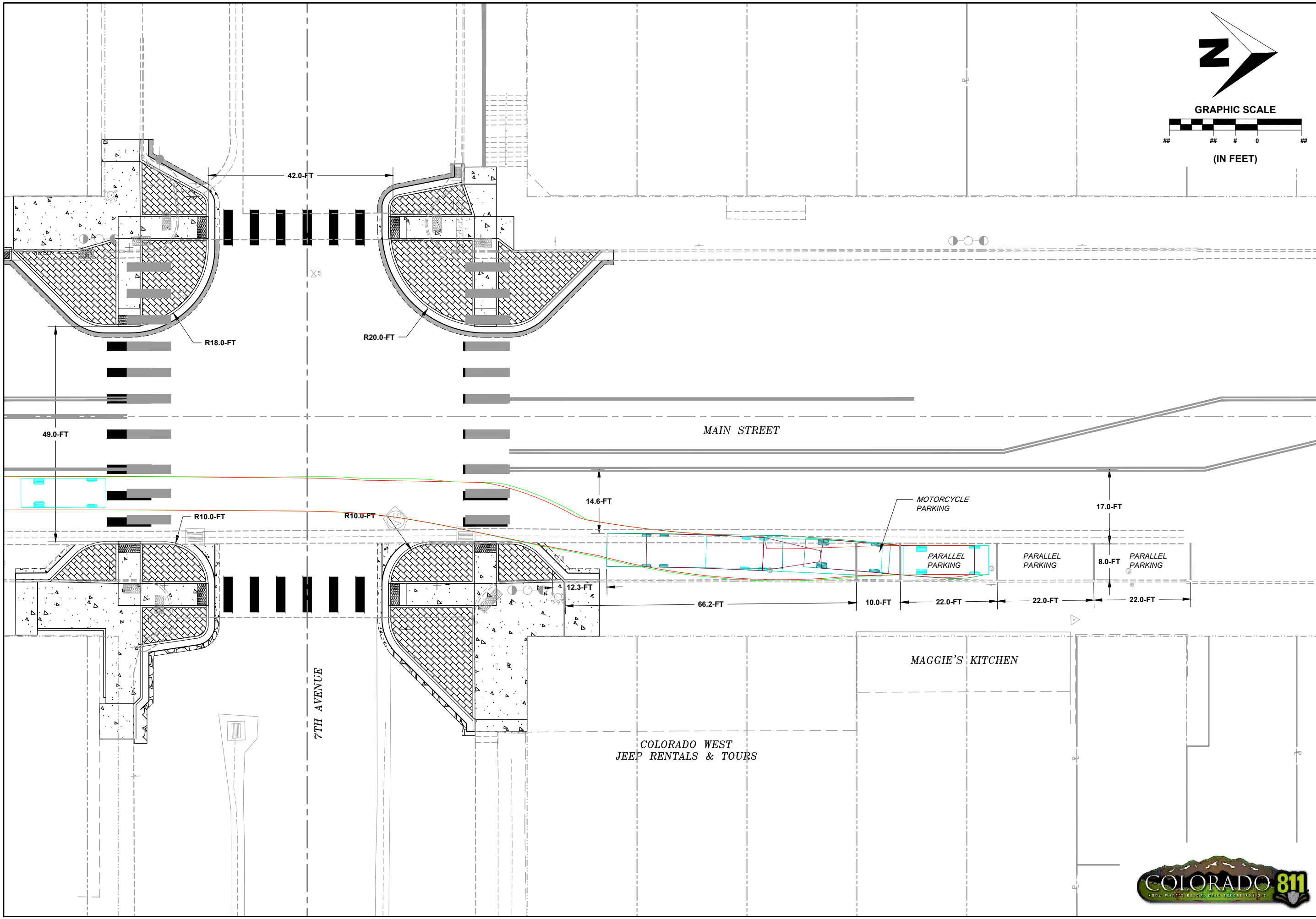
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MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
TURNING MOVEMENTS 6
OHV WITH ENCROACHMENT

REVISIONS:		SHEET
#	DATE	

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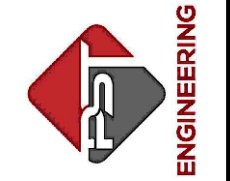
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SHEET
7 OF 7

PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492



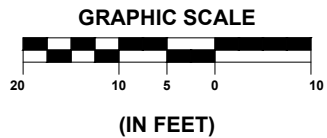
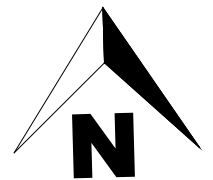
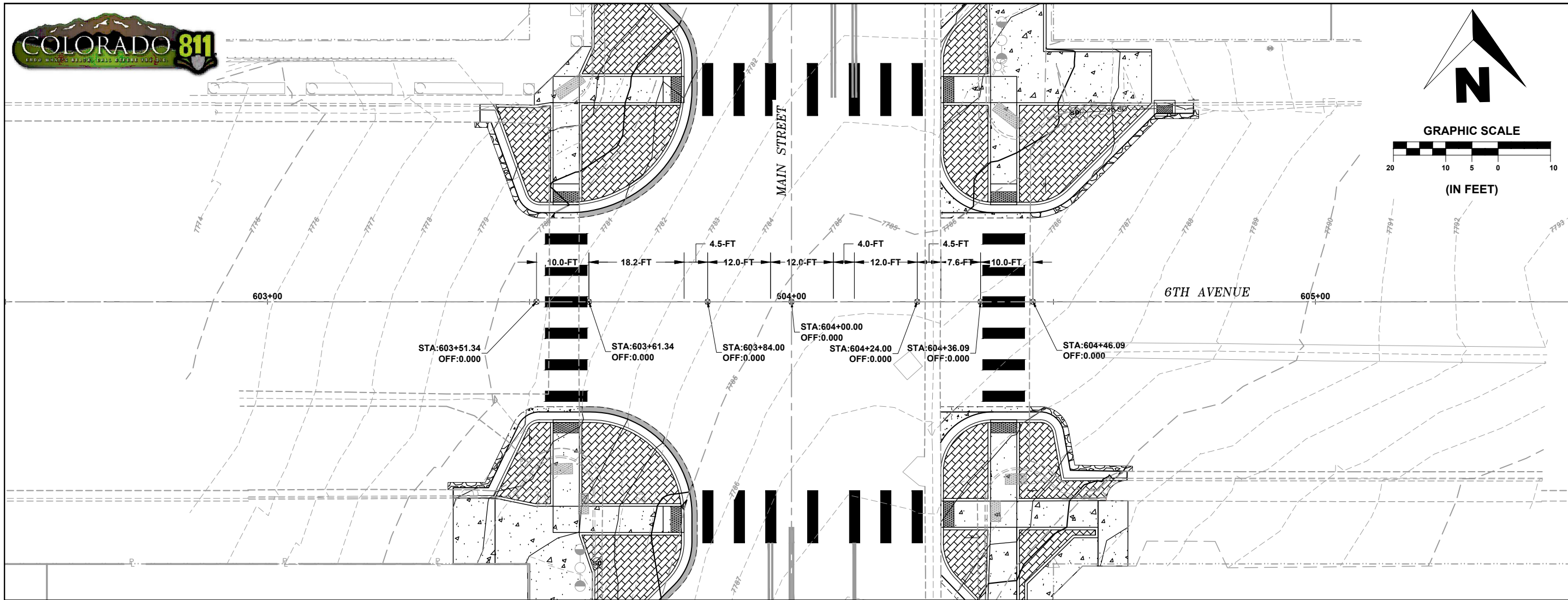
PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
TURNING MOVEMENTS 7
OHV NO ENCROACHMENT

REVISIONS:		SHEET
DATE	DESCRIPTION	
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DATE: 11/14/2024
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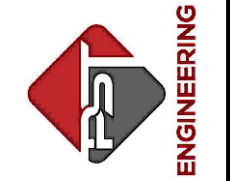
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SHEET
1 OF 2

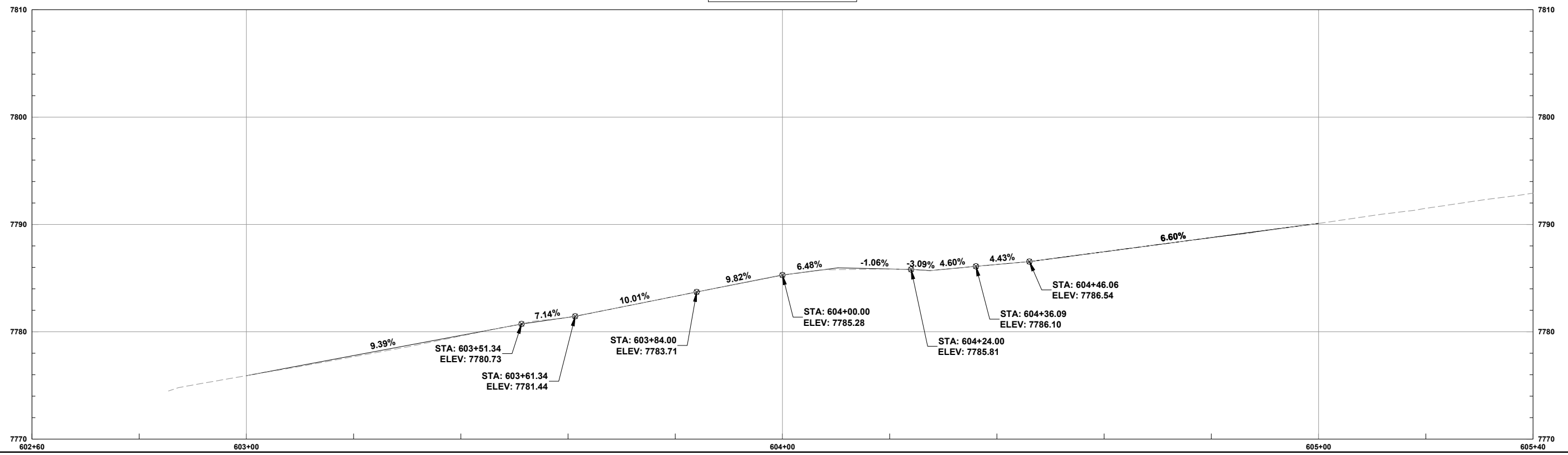
PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492



PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
EXISTING ROAD P-PRO 1
6TH AVENUE

PROFILE VERTICAL EXAGGERATION: 2X

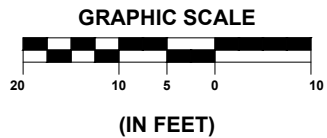
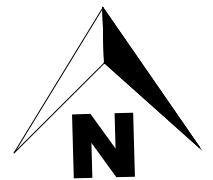
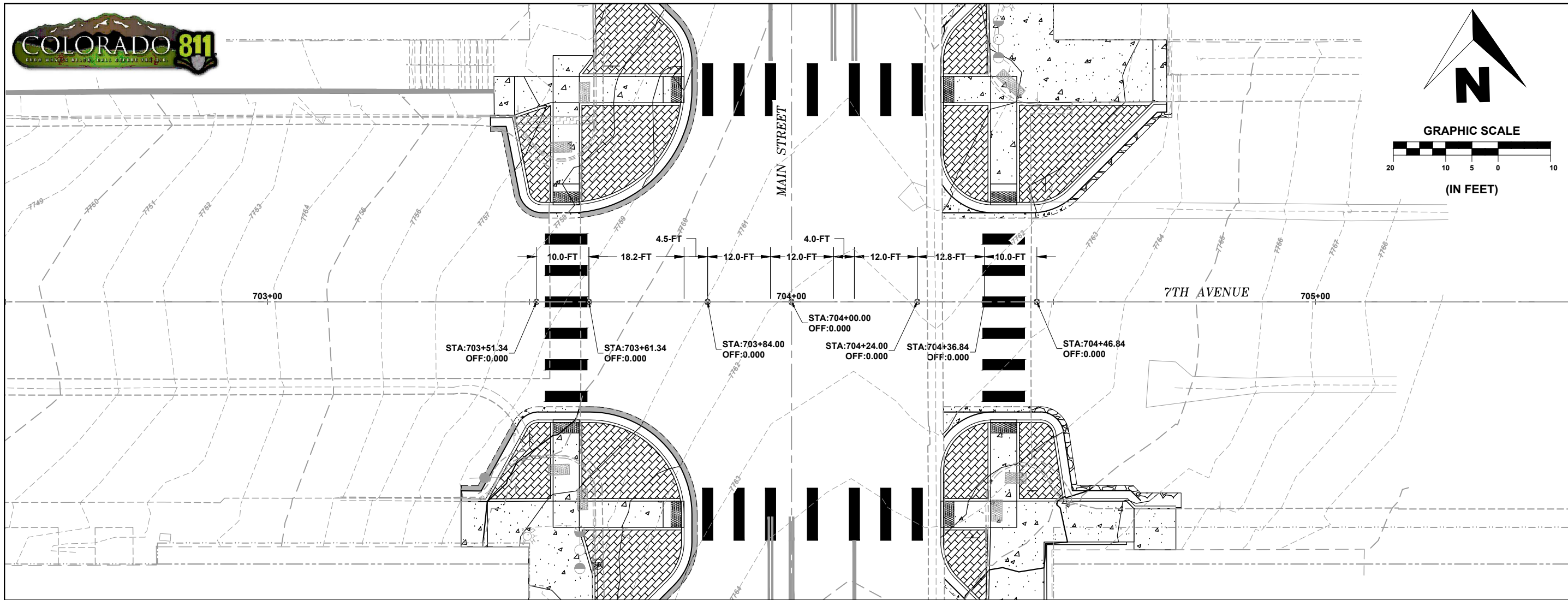
PROFILE VIEW OF 6TH AVENUE



REVISIONS:		SHEET
DATE	DESCRIPTION	
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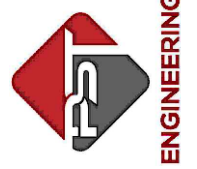
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SHEET
2 OF 2

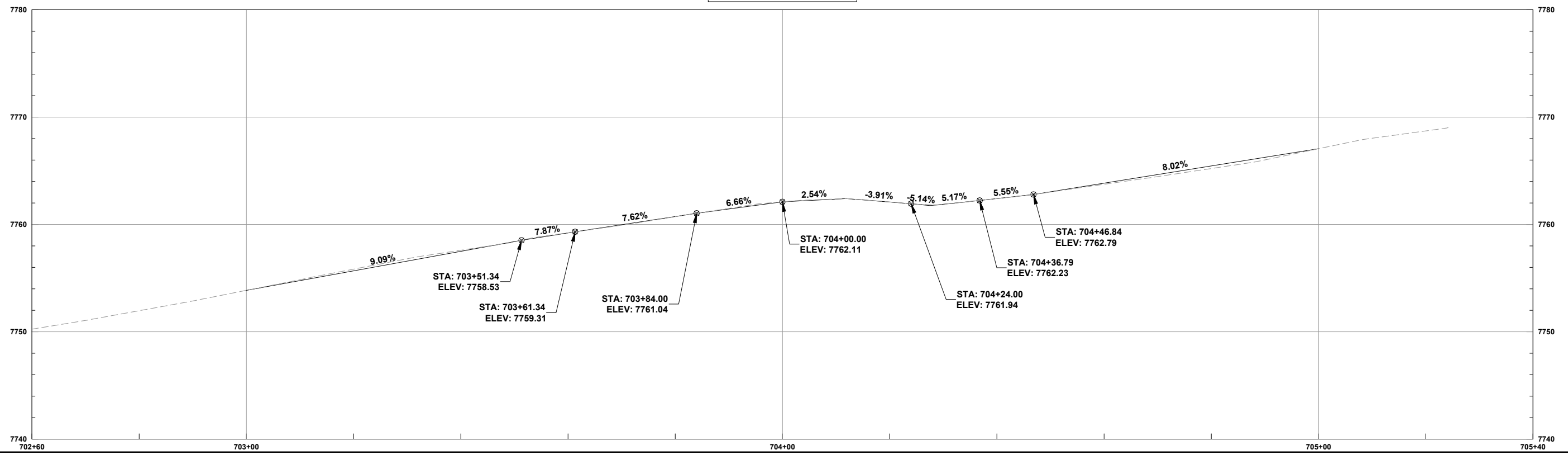
PST ENGINEERING, LLC
2615 MAIN AVE. SUITE 209
DURANGO, CO 81301
970-403-5492



PROJECT NAME: OURAY
MAIN STREET RMS
PROJECT # C M006-001
PROJECT CODE: 25227
EXISTING ROAD P-PRO 2
7TH AVENUE

PROFILE VERTICAL EXAGGERATION: 2X

PROFILE VIEW OF 7TH AVENUE



REVISIONS:		SHEET
DATE	DESCRIPTION	
#		

DATE: 11/14/2024
DRAWN BY: AM
CHECKED BY: SP

F.O.R. SET

City of Ouray - Main St RMS - Project #25227
 Opinion of Probable Infrastructure Construction Cost (FOR Plan Set)
 Prepared on : 11-18-24
 Prepared By: AJM
 Checked by: SP



ENGINEERING

Item No.	Contract Item	Unit	Quantity	Unit Cost	Total Cost	Comments
Base Bid - North Improvements (Visitor Center) and South Improvements (CR 361)						
202-00200	Removal of Sidewalk	SY	34.7	\$ 20.00	\$ 694.00	
202-00203	Removal of Curb and Gutter	LF	72	\$ 25.00	\$ 1,800.00	
202-00220	Removal of Asphalt Mat	SY	216.9	\$ 15.00	\$ 3,253.50	
202-00250	Removal of Pavement Marking	SF	168	\$ 5.00	\$ 840.00	
203-00010	Unclassified Excavation (Complete In Place)	CY	317	\$ 25.00	\$ 7,925.00	
203-01100	Proof Rolling	HOURL	8	\$ 120.00	\$ 960.00	
203-01597	Potholing	HOURL	8	\$ 400.00	\$ 3,200.00	
207-00606	Topsoil (Imported)	CY	63.6	\$ 40.00	\$ 2,544.00	
207-00704	Subgrade Soil Preparation	SY	578.3	\$ 4.00	\$ 2,313.20	
208-00007	Erosion Log Type 2 (8 Inch)	LF	49	\$ 8.00	\$ 392.00	
208-00008	Erosion Log Type 2 (12 Inch)	LF	238	\$ 10.00	\$ 2,380.00	
208-00020	Silt Fence	LF	714	\$ 4.00	\$ 2,856.00	
208-00035	Aggregate Bag	LF	123	\$ 8.00	\$ 984.00	
208-00046	Pre-fabricated Concrete Washout Structure (Type 1)	EACH	1	\$ 2,500.00	\$ 2,500.00	
208-00075	Pre-fabricated Vehicle Tracking Pad	EACH	1	\$ 2,000.00	\$ 2,000.00	
208-00103	Removal and Disposal of Sediment (Labor)	HOURL	12	\$ 80.00	\$ 960.00	
208-00105	Removal and Disposal of Sediment (Equipment)	HOURL	12	\$ 150.00	\$ 1,800.00	
208-00106	Sweeping (Sediment Removal)	HOURL	18	\$ 150.00	\$ 2,700.00	
208-00207	Erosion Control Management	DAY	12	\$ 350.00	\$ 4,200.00	
208-00301	Temporary Diversion	LF	262	\$ 40.00	\$ 10,480.00	
210-00810	Reset Ground Sign	EACH	2	\$ 300.00	\$ 600.00	
210-04050	Adjust Valve Box	EACH	1	\$ 500.00	\$ 500.00	
212-00700	Organic Fertilizer	LB	96	\$ 4.00	\$ 384.00	
212-00701	Compost (Mechanically Applied)	CY	16	\$ 150.00	\$ 2,400.00	
212-00704	Mycorrhizae	LB	7	\$ 40.00	\$ 280.00	
212-00708	Seeding (Native) Broadcast	ACRE	0.12	\$ 5,000.00	\$ 600.00	
213-00003	Mulching (Weed Free)	ACRE	0.11	\$ 5,000.00	\$ 550.00	
216-00201	Soil Retention Blanket (Straw-Coconut) (Biodegradable Class 1)	SY	55.7	\$ 10.00	\$ 557.00	
304-02000	Aggregate Base Course (Class 2)	TON	594.3	\$ 60.00	\$ 35,658.00	Assumed 8" under gravel sections
304-06000	Aggregate Base Course (Class 6)	TON	599.8	\$ 65.00	\$ 38,987.00	Assumed 4" under gravel sections. Also under flatwork.
403-00720	Hot Mix Asphalt (Patching) (Asphalt)	TON	200.7	\$ 260.00	\$ 52,182.00	
506-00206	Riprap (6 Inch)	CY	7.1	\$ 250.00	\$ 1,775.00	
603-50012	12 Inch Plastic Pipe	LF	30	\$ 120.00	\$ 3,600.00	
607-11525	Fence (Plastic)	LF	52	\$ 10.00	\$ 520.00	
608-00000	Concrete Sidewalk	SY	221	\$ 100.00	\$ 22,100.00	
608-00006	Concrete Sidewalk (6 Inch)	SY	24.9	\$ 115.00	\$ 2,863.50	
608-00010	Concrete Curb Ramp	SY	62.8	\$ 250.00	\$ 15,700.00	
609-21023	Curb and Gutter Type 2 (Section II-B) (Special)	LF	448	\$ 55.00	\$ 24,640.00	
610-00026	Median Cover Material (6 Inch Patterned Concrete)	SF	59	\$ 50.00	\$ 2,950.00	
614-00011	Sign Panel (Class I)	SF	31	\$ 40.00	\$ 1,240.00	
614-00012	Sign Panel (Class II)	SF	126	\$ 50.00	\$ 6,300.00	
614-01573	Steel Sign Support (2-1/2 Inch Round NP-40)(Post & Slipbase)	EACH	6	\$ 500.00	\$ 3,000.00	
614-80003	Rectangular Rapid Flashing Beacon	EACH	4	\$ 12,000.00	\$ 48,000.00	Includes cabinet, controls, RRFB, poles, and caissons.
614-80391	Rumble Strip (Grinding)(Asphalt)	LF	25.6	\$ 5.00	\$ 128.00	
625-00000	Construction Surveying	L S	1	\$ 20,000.00	\$ 20,000.00	
626-00000	Mobilization	L S	1	\$ 30,000.00	\$ 30,000.00	
627-00013	Pavement Marking Paint (High Build)	GAL	2	\$ 1,000.00	\$ 2,000.00	High unit price to cover mob
627-30405	Preformed Thermoplastic Pavement Marking (Word- Symbol)	SF	22.5	\$ 25.00	\$ 562.50	
627-30410	Preformed Thermoplastic Pavement Marking (Xwalk-Stop Line)	SF	400	\$ 25.00	\$ 10,000.00	
629-01002	Survey Monument (Type 2)	EACH	1	\$ 1,000.00	\$ 1,000.00	
630-00000	Flagging	HOURL	40	\$ 45.00	\$ 1,800.00	
630-00007	Traffic Control Inspection	DAY	16	\$ 250.00	\$ 4,000.00	
630-00012	Traffic Control Management	DAY	40	\$ 1,000.00	\$ 40,000.00	
630-80340	Pedestrian Barricade (ADA)	LF	12	\$ 75.00	\$ 900.00	
630-80341	Construction Traffic Sign (Panel Size A)	EACH	12	\$ 80.00	\$ 960.00	
630-80344	Construction Traffic Sign (Special)	SF	32	\$ 50.00	\$ 1,600.00	
630-80355	Portable Message Sign Panel	EACH	2	\$ 4,000.00	\$ 8,000.00	
630-80360	Drum Channelizing Device	EACH	64	\$ 50.00	\$ 3,200.00	
630-80380	Traffic Cone	EACH	9	\$ 25.00	\$ 225.00	
630-80440	Portable Rumble Strips (Temporary)	EACH	6	\$ 2,500.00	\$ 15,000.00	
Subtotal					\$ 459,543.70	
Force Account						
700-70010	F/A Minor Contract Revisions	F A	1	\$ 80,000.00	\$ 80,000.00	
700-70380	F/A Erosion Control	F A	1	\$ 1,500.00	\$ 1,500.00	
Subtotal					\$ 81,500.00	
					\$ 13,786.31	
Contingency (3% at FOR)						
Total Base Bid Construction Costs					\$ 554,830.01	

Alternate Bid - 6th Avenue						
202-00200	Removal of Sidewalk	SY	214.6	\$ 20.00	\$ 4,292.00	
202-00203	Removal of Curb and Gutter	LF	254	\$ 25.00	\$ 6,350.00	
202-00210	Removal of Concrete Pavement	SY	115.9	\$ 25.00	\$ 2,897.50	
202-00220	Removal of Asphalt Mat	SY	158.2	\$ 15.00	\$ 2,373.00	
202-00250	Removal of Pavement Marking	SF	418	\$ 5.00	\$ 2,090.00	
202-04002	Clean Culvert	EACH	2	\$ 1,500.00	\$ 3,000.00	
203-00010	Unclassified Excavation (Complete In Place)	CY	54	\$ 25.00	\$ 1,350.00	
203-01100	Proof Rolling	HOUR	2	\$ 120.00	\$ 240.00	
203-01597	Potholing	HOUR	8	\$ 400.00	\$ 3,200.00	
206-00065	Structure Backfill (Flow-Fill)	CY	4	\$ 225.00	\$ 900.00	
208-00007	Erosion Log Type 2 (8 Inch)	LF	387	\$ 8.00	\$ 3,096.00	
208-00035	Aggregate Bag	LF	106	\$ 8.00	\$ 848.00	
208-00054	Storm Drain Inlet Protection (Type II)	EACH	4	\$ 350.00	\$ 1,400.00	
208-00056	Storm Drain Inlet Protection (Type III)	EACH	3	\$ 350.00	\$ 1,050.00	
208-00103	Removal and Disposal of Sediment (Labor)	HOUR	4	\$ 80.00	\$ 320.00	
208-00105	Removal and Disposal of Sediment (Equipment)	HOUR	4	\$ 150.00	\$ 600.00	
208-00106	Sweeping (Sediment Removal)	HOUR	6	\$ 150.00	\$ 900.00	
208-00207	Erosion Control Management	DAY	4	\$ 350.00	\$ 1,400.00	
210-00810	Reset Ground Sign	EACH	6	\$ 300.00	\$ 1,800.00	
210-04020	Modify Inlet	EACH	2	\$ 3,000.00	\$ 6,000.00	Connect to existing Inlet and MH lid.
210-04050	Adjust Valve Box	EACH	2	\$ 500.00	\$ 1,000.00	
210-04051	Adjust Valve Box (Special)	EACH	3	\$ 500.00	\$ 1,500.00	
304-02000	Aggregate Base Course (Class 2)	TON	5.3	\$ 60.00	\$ 318.00	Assumed 8" under gravel sections
304-06000	Aggregate Base Course (Class 6)	TON	143.7	\$ 65.00	\$ 9,340.50	Assumed 4" under gravel sections. Also under flatwork.
403-00720	Hot Mix Asphalt (Patching) (Asphalt)	TON	5.6	\$ 260.00	\$ 1,456.00	
603-01180	18 Inch Reinforced Concrete Pipe	LF	37	\$ 150.00	\$ 5,550.00	
604-19005	Inlet Special (5 Foot)	EACH	2	\$ 7,000.00	\$ 14,000.00	
608-00000	Concrete Sidewalk	SY	158.7	\$ 100.00	\$ 15,870.00	
608-00010	Concrete Curb Ramp	SY	103.7	\$ 250.00	\$ 25,925.00	
609-20010	Curb Type 2 (Section B)	LF	220	\$ 40.00	\$ 8,800.00	
609-21023	Curb and Gutter Type 2 (Section II-B) (Special)	LF	323	\$ 55.00	\$ 17,765.00	
610-00035	Median Cover Material (Concrete)(Special)	SF	2095	\$ 40.00	\$ 83,800.00	
625-00000	Construction Surveying	L S	1	\$ 5,000.00	\$ 5,000.00	
626-00000	Mobilization	L S	1	\$ 10,000.00	\$ 10,000.00	
627-30410	Preformed Thermoplastic Pavement Marking (Xwalk-Stop Line)	SF	472	\$ 25.00	\$ 11,800.00	
629-01002	Survey Monument (Type 2)	EACH	1	\$ 1,000.00	\$ 1,000.00	
630-00000	Flagging	HOUR	20	\$ 45.00	\$ 900.00	
630-00007	Traffic Control Inspection	DAY	8	\$ 250.00	\$ 2,000.00	
630-00012	Traffic Control Management	DAY	20	\$ 1,000.00	\$ 20,000.00	
630-80340	Pedestrian Barricade (ADA)	LF	20	\$ 75.00	\$ 1,500.00	
630-80341	Construction Traffic Sign (Panel Size A)	EACH	7	\$ 80.00	\$ 560.00	
630-80360	Drum Channelizing Device	EACH	3	\$ 50.00	\$ 150.00	
630-80380	Traffic Cone	EACH	16	\$ 25.00	\$ 400.00	
				Subtotal	\$ 282,741.00	
	Contingency (3% at FOR)				\$ 8,482.23	
	Total Alternate 1 (6th Avenue) Bid Construction Costs				\$ 291,223.23	

Alternate Bid - 7th Avenue						
202-00036	Removal of Pipe (Special)	LF	16	\$ 20.00	\$ 320.00	For sidewalk chase
202-00200	Removal of Sidewalk	SY	226.1	\$ 20.00	\$ 4,522.00	
202-00203	Removal of Curb and Gutter	LF	228	\$ 25.00	\$ 5,700.00	
202-00210	Removal of Concrete Pavement	SY	115.8	\$ 25.00	\$ 2,895.00	
202-00220	Removal of Asphalt Mat	SY	169.4	\$ 15.00	\$ 2,541.00	
202-00250	Removal of Pavement Marking	SF	409	\$ 5.00	\$ 2,045.00	
202-04002	Clean Culvert	EACH	1	\$ 1,500.00	\$ 1,500.00	
203-00010	Unclassified Excavation (Complete In Place)	CY	76	\$ 25.00	\$ 1,900.00	
203-01100	Proof Rolling	HOURL	2	\$ 120.00	\$ 240.00	
203-01597	Potholing	HOURL	8	\$ 400.00	\$ 3,200.00	
206-00065	Structure Backfill (Flow-Fill)	CY	2	\$ 225.00	\$ 450.00	
208-00007	Erosion Log Type 2 (8 Inch)	LF	392	\$ 8.00	\$ 3,136.00	
208-00035	Aggregate Bag	LF	106	\$ 8.00	\$ 848.00	
208-00054	Storm Drain Inlet Protection (Type II)	EACH	2	\$ 350.00	\$ 700.00	
208-00056	Storm Drain Inlet Protection (Type III)	EACH	3	\$ 350.00	\$ 1,050.00	
208-00103	Removal and Disposal of Sediment (Labor)	HOURL	4	\$ 80.00	\$ 320.00	
208-00105	Removal and Disposal of Sediment (Equipment)	HOURL	4	\$ 150.00	\$ 600.00	
208-00106	Sweeping (Sediment Removal)	HOURL	6	\$ 150.00	\$ 900.00	
208-00207	Erosion Control Management	DAY	4	\$ 350.00	\$ 1,400.00	
210-00810	Reset Ground Sign	EACH	6	\$ 300.00	\$ 1,800.00	
210-04020	Modify Inlet	EACH	2	\$ 3,000.00	\$ 6,000.00	Connect to existing Inlet and MH lid.
210-04050	Adjust Valve Box	EACH	4	\$ 500.00	\$ 2,000.00	
304-02000	Aggregate Base Course (Class 2)	TON	3.4	\$ 60.00	\$ 204.00	Assumed 8" under gravel sections
304-06000	Aggregate Base Course (Class 6)	TON	143.2	\$ 65.00	\$ 9,308.00	Assumed 4" under gravel sections. Also under flatwork.
403-00720	Hot Mix Asphalt (Patching) (Asphalt)	TON	7	\$ 260.00	\$ 1,820.00	
603-01180	18 Inch Reinforced Concrete Pipe	LF	20	\$ 150.00	\$ 3,000.00	
604-19005	Inlet Special (5 Foot)	EACH	1	\$ 7,000.00	\$ 7,000.00	
608-00000	Concrete Sidewalk	SY	173.6	\$ 100.00	\$ 17,360.00	
608-00010	Concrete Curb Ramp	SY	103	\$ 250.00	\$ 25,750.00	
609-20010	Curb Type 2 (Section B)	LF	158	\$ 40.00	\$ 6,320.00	
609-21023	Curb and Gutter Type 2 (Section II-B) (Special)	LF	325	\$ 55.00	\$ 17,875.00	
610-00035	Median Cover Material (Concrete)(Special)	SF	1953	\$ 40.00	\$ 78,120.00	
625-00000	Construction Surveying	L S	1	\$ 5,000.00	\$ 5,000.00	
626-00000	Mobilization	L S	1	\$ 10,000.00	\$ 10,000.00	
627-30410	Preformed Thermoplastic Pavement Marking (Xwalk-Stop Line)	SF	472	\$ 25.00	\$ 11,800.00	
630-00000	Flagging	HOURL	20	\$ 45.00	\$ 900.00	
630-00007	Traffic Control Inspection	DAY	8	\$ 250.00	\$ 2,000.00	
630-00012	Traffic Control Management	DAY	20	\$ 1,000.00	\$ 20,000.00	
630-80340	Pedestrian Barricade (ADA)	LF	24	\$ 75.00	\$ 1,800.00	
630-80341	Construction Traffic Sign (Panel Size A)	EACH	8	\$ 80.00	\$ 640.00	
630-80360	Drum Channelizing Device	EACH	3	\$ 50.00	\$ 150.00	
630-80380	Traffic Cone	EACH	18	\$ 25.00	\$ 450.00	
				Subtotal	\$ 263,564.00	
	Contingency (3% at FOR)				\$ 7,906.92	
	Total Alternate 2 (7th Avenue) Bid Construction Costs				\$ 271,470.92	